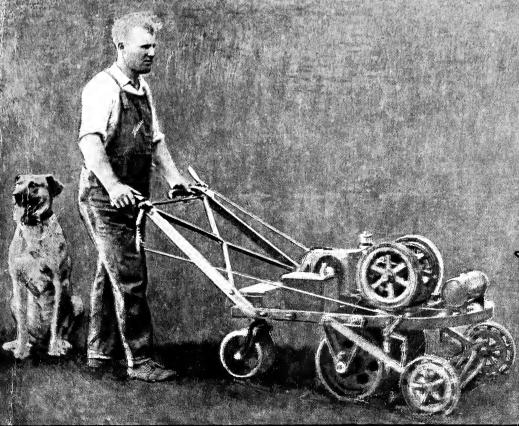
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MICHELL'S CLOVER LAWN GRASS SEED

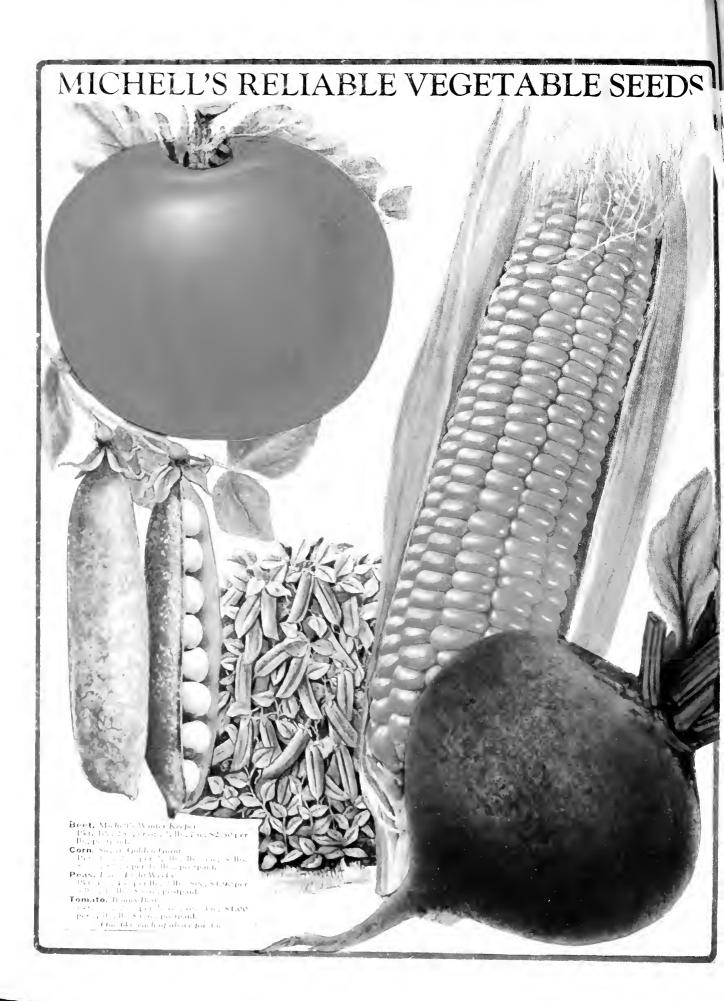
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2 Quarts		.90	1.05
4 Quarts		1.75	1.95
Peck		3.25	3.50
1/2 Bushel		6.25	6.60
Bushel (30	lbs.)	12.50	13.25
1001	bs. o	over, 4	Oc per lb.

By express or freight

See body of this catalog for other

Grass Seed offers

HENRY F. MICHELL CO.. 518-516 MARKET ST. PHILADELPHIA



HENRY F. MICHELL CO. 518-516 MARKET ST.

Please DO NOT Write in This Space	PRICED BY Poult. Sup. Grass Seed Fertil.	PRICE DOLLARS CENTS
	LOCAL EXPRESS Insect. P	
	BAGGAGE MASTER Sundries	TED
Date P. O. Box Address	PARCEL POST Tools	ES WANTED
State Ado	BOAT	ARTICLES
	eds Bulbs	
If Different from P. O.	GHT Fo. Se	
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Ship To NAME Please prefix Mr., Mrs., or Miss Street Post Office Freight or Express Address County Charge to Gardener's or Superintenden		Quantity
Ship To Pleases) Street Post Office Freight or County Charge to.	SEND BY ORDER FILLED DATE FILLED CHECKE	Check

All acknowledgments of orders are made and all goods are offered and sold under the terms given in our various catalogs

175M Pink 3-24 L-ooe 1,000

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		AMOUNT FORWARD	DOLLARS	CENTS
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DIRECTIONS FOR ORDERING (SUGGESTIONS)

CONDITIONS OF SALE

All contracts, sales and acknowledgments of orders are contingent upon crop failures, partial deliveries by growers or manufacturers, strikes, or other unavoidable causes beyond our control; also unsatisfactory credit standing. All quotations are subject to market changes and goods being unsold on receipt of order. Henry F. Michell Co. give no warranty, expressed or implied, as to the description, purity or productiveness of any seeds, plants or bulbs they send out, and they cannot be in any way responsible for the crop. If the customer does not accept the goods on these terms, he must notify us at once and we will give disposition of the goods. No responsible seedsman can give a warranty.

PLEASE ORDER EARLY

We shall greatly appreciate it if our customers will adopt our suggestion to send us their orders for seeds, plants, bulbs, etc., during January and February. Shipment need not be made until they want the goods.

PLANT ORDERS

Customers desiring to order plants are respectfully asked to acquaint themselves with instructions and suggestions on page 106.

PACKING CHARGES

No charge is made for boxes or packing, except for two-bushel seamless sacks which are charged at market value (and as may therwise be noted), these bags are returnable for credit at the rice charged. Any extra charges over actual postage on Parcel ost orders is for special packing required.

BUSINESS TERMS

We especially invite charge accounts, which is more convenient than to remit for each order at the time it is sent us. When sending your first charge order, please send us the names and addresses of two or more business houses with whom you have had past or present credit relations; this saves considerable time in the execution of your first charge order.

As to our responsibility, we refer you to Dun's or Bradstreet's Mercantile Agency, or any bank or trust company in

the United States.

REGARDS C. O. D. SHIPMENT

Goods can be sent C.O.D. (with the exception of perishable items, which include plants and cold storage bulbs; these cannot be sent C. O. D.). No C. O. D. shipments for any kind of goods can be made by express or freight out of town unless a partial remittance accompanies the order. No C. O. D. orders can be accepted where the amount is less than \$1.00. During April and May, owing to the heavy volume of business transacted, we are not in a position to accept orders for shipment C. O. D. unless a partial payment has been made on account to assure acceptance at time of delivery.

SHIPPING INSTRUCTIONS

Always state by what method you want goods forwarded, otherwise we will ship according to our best judgment. Please read instructions on page 82 regarding the sending of Vegetable Plants by Parcels Post.

FORWARDING SERVICE

We deliver, postpaid to any Post Office in the United States, Vegetable and Flower Seeds in packets, ounces, and pounds, except where otherwise noted in the Catalogue. If these are wanted by parcel post please remit for postage the amount named in connection with the item or at the rates quoted in table opposite. Agricultural Seeds, Implements, Fertilizers, and other heavy and bulky goods are sent by Express or Freight at purchaser's

expense.
Plant orders should be separated from Seed orders, as they are usually

filled and shipped separately.

All Plants, Roots and Bulbs are forwarded by Express (or parcel post when possible) purchaser paying charges, unless otherwise noted.

For those of our customers who prefer to receive such goods by Parcel Post, we will be pleased to forward in this manner such plants as can be sent in this way at the following additional cost, which must be added to the value of each order for Plants, Roots or Bulbs unless otherwise noted.

To all points east of the Mississippi River, 10 per cent.

extra to cover postage and packing charges.

To all points west of the Mississippi River, 20 per cent.

Poisons cannot be sent by Parcel Post; please consult parcel post table below, for rates on other merchandise.

SAFE ARRIVAL.—We guarantee the safe arrival of all goods sent to points within the United States except when shipped to points where there is no express or freight agent, to such points the purchaser must assume any claim for loss or damage.

LOCAL DELIVERY.—Our automobile service covers most of Philadelphia, free delivery being confined to the following districts bounded as follows:

East. Delaware Ave., in central downtown.
East. Fox Chase, Lawndale, Kensington, Frankford, uptown.
North. City Line in the Old York Road district.
North. City Line in the Germantown and Chestnut Hill district. Northwest. Bala, Cynwyd. Wynnefield and Overbrook (Latch's Lane).

West. 69th Street, Upper Darby (Bywood, Drexel Hill, Stonehurst, Highland Park).

South. League Island, Front to 69th Street.

Ridge Ave. District. Falls of Schuylkill, Roxborough, Manayunk. Also note that we do not guarantee to maintain a daily delivery to these points.

Please note the free delivery service does not include bulky quantities of fertilizers in over ¼ ton quantities. Special arrangements can however be made for delivery of these.

Shipment of goods can also be made by package service from Market and Chestnut St. Ferries, Broad St. Station, Reading Terminal and B. & O. R. R., at 24th and Chestnut Sts.

The tariff for shipments that can be made by this method on merchandise they will receive packed in one piece is as follows: 10 lbs. and under, 12c. 40 lbs. to 55 lbs., 30c. 10 lbs. to 25 lbs., 18c. 56 lbs. to 70 lbs., 36c.

25 lbs. to 40 lbs., 24c. 71 lbs. to 85 lbs., 42c.

86 lbs. to 100 lbs., 48c.

Shipments weighing more cannot be sent via Package Service, nor can bulky goods or shipments that are odorous or that otherwise affect other merchandise handled by this service be accepted.

Positions for Gardeners, Estate Superintendents, etc. Frequently we have on our register the names of competent Gardeners, Superintendents, Greenskeepers, Farmers and Poultrymen who desire positions. We are always pleased to put them in communication with parties desiring services of such men.

Parcel Post Rates from Philadelphia (Subject to Change)

First ound or action	Each additional pound or fraction	Packages must not exceed 84 inches (length and girth combined)
\$0.05 .05 .05 .06 .07 .08	.01 .01 .02 .04 .06	Limit of weight this zone, 70 lbs. Limit of weight this zone, 70 lbs. Limit of weight this zone, 70 lbs. Limit of weight this zone, 50 lbs.
2	0.05 .05 .05 .06 .07	or pound or fraction 80.05

All small Parcel Post packages, weighing 8 ounces or less can be sent at the special rate of 1 cent for each 2 ounces or fraction to all parts of the United States. (Over 8 ounces must be sent at Parcel Post rates.) On shipments weighing 20 lbs. or more it is usually cheaper to ship by express.

Kindly Remit for Postage (when it is necessary) to avoid delay in filling and shipping your order.

Please note parcels post charges quoted by us are for delivery in the United States only.

HENRY F. MICHELL SECRETARY

HENRY F. MICHELL C

SEEDS BULBS, PLANTS, GARDEN SUPPLIES, FERTILIZERS, INSECT DESTROYERS, POULTRY SUPPLIES, ETC.

FRED'K J. MICHELL VICE-PRESIDENT

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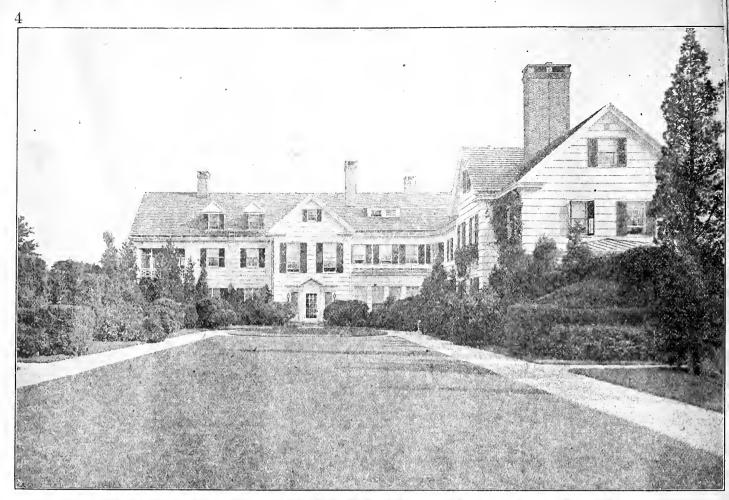
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MICHELL'S RELIABLE GRASS SEEDS

Our grass seeds are rigidly tested for purity and germination at the growing point, in the laboratories of the United States Department of Agriculture and by ourselves, and will be found of highest average. We make special formulas to suit various soils, climatic and local conditions. Our grass mixtures as sold have been based on many tests and on years of careful study; they are properly blended

and will give splendid satisfaction.

Quantity to Sow for Lawns; you cannot sow too much, the more the better, it means a quicker, more satisfactory and more lasting results. From very exhaustive tests and experiments, we have found that in general too small a quantity has been recommended in the past; it requires sufficient seed to be sown if you want a quick permanent effect. On a small scale a quart will usually seed a space of 10 x 10 feet though twice that quantity is better; 6 to 8 or 10 bushels of 20 lbs. per bushel on new ground without grass, is the proper quantity per acre; 1 peck is needed for a space of 1000 square feet; ½ bushel for a space 2000 square feet; 1 bushel for a space 4000 square feet or say 40 x 100 feet. For Putting Greens we advise 100 lbs. of seed for greens 100 x 100 feet. For Fairways, 8 to 10 bushels per acre. For Pasture and Hay Fields, 4 to 5 bushels per acre, based on a 20 pound bushel.

Michell's "Top Notch" Lawn Grass Seed. The top notch of. quality. A perfectly blended combination of quick growing, very compact, fine bladed grasses that will produce a perfect lasting turf in a few weeks. 25 lbs. per bu; 25c. per pt. (by P. P., 30c.); qt., 45c. (by P. P., 55c.); 85c. for 2 qts. (by P. P., \$1.00); 4 qts., \$1.50 (by P. P., \$1.70); \$2.75 per pk. (by P. P., \$3.00); bu, \$10.00 (by P. P., \$10.75); 100 lbs., 37½c. per lb. Michell's Green Velvet Lawn Grass Seed. The result of

many years of untiring experimenting, and will produce a perfect turf; composed of close growing, fine leaved hardy grasses, which will stand wear and tear, and outlive the severest winter, which will stand wear and tear, and outlive the severest winter, retaining at all times its lustrous green color. 20 lbs. per bu.; 20c. per pt. (by P. P., 25c.); qt., 35c. (by P. P., 40c.); 65c. for 2 qts. (by P. P., 75c.); 4 qts., \$1.25 (by P. P., \$1.40); \$2.25 per pk. (by P. P., \$2.50); bu., \$8.00 (by P. P., \$8.75); 100 lbs., $37\frac{1}{2}$ c. per lb.

Michell's Seashore Lawn Grass Seed. If 3 or 4 inches of top soil is spread over the surface, and well firmed, an application of Michell's Special Formula Seashore Lawn Mixture will produce a good lawn in 6 to 8 weeks. An occasional application of pure Sheep Manure during the spring, summer and fall months will increase the strength and color of the grass. Our formula has been thoroughly tested out in various localities. If the soil been thoroughly tested out in various localities. If the soil is exceptionally poor, and it is not possible to apply a layer of top soil, white Clover will help to make the sod thick, and also protect the grass. 20 lbs. per bu.; 20c. per pt. (by P. P., 25c.); qt., 35c. (by P. P., 45c.); 65c. per 2 qts. (by P. P., 75c.); 4 qts., \$1.25 (by P. P., \$1.45); \$2.25 per pk. (by P. P., \$2.50); bu., \$8.00; 100 lbs., $37\frac{1}{2}$ c. per lb. Michell's Evergreen Lawn Grass Seed. This is composed of the finest native and foreign short growing and fine bladed grasses, and will form a perfect turf. It weighs 20 lbs. per bushel, and every kernel is full of vitality. 15c. per pt. (by P. P., 20c.); qt., 30c. (by P. P., 40c.); 55c. for 2 qts. (by P. P., 65c.); 4 qts., \$1.00 (by P. P., \$1.20); \$1.75 per pk. (by P. P., \$2.00); bu., \$6.50 (by P. P., \$7.25); 100 lbs., 31c. per lb.

Michell's Clover Lawn Grass Seed. The increasing demand for a grass seed mixture, containing a larger proportion of White Lawn Clover induced us to offer this brand; mixed with a liberal quantity of the best recleaned White Clover, which is peculiarly suited to take firm hold and grow quickly on hard or worn-out spots which sunburn easily. Splendid for seashore lawns. 30 lbs. per bu.; 30c. per pt. (by P. P., 35c.); qt., 50c. (by P. P., 60c.); 90c. for 2 qts. (by P. P., \$1.05); 4 qts., \$1.75 (by P. P., \$1.95); \$3.25 per pk. (by P. P., \$3.50); bu., \$12.50 (by P. P., \$13.25); 100 lbs., 40c. per lb.

Michell's Shaded Lawn Grass Seed. Shaded locations have often been found difficult to keep in grass. We have combined a mixture of grasses that will produce a perfect sward in the most densely shaded place. It must be borne in mind that too much shade creates sour soil, and to guard against this apply air-slacked lime (or land plaster where the former is not available) at the rate of 1 bushel to each 1000 square feet. 20 lbs. bul; 20c. per pt. (by P. P., 25c.); qt., 35c. (by P. P., 45c.); 65c. per 2 qts. (by P. P., 75c.); 4 qts., \$1.25 (by P. P., \$1.45); \$2.25 per pk. (by P. P., \$2.50); bu., \$8.00 (by P. P., \$8.75); 100 lbs., 37½c. per lb.



MICHELL'S RELIABLE GRASS SEEDS

See Page 4 for recommendations for quantities required to sow an acre.

Fairmount Park Lawn Seed. A mixture meeting the requirements of those desiring a moderately priced grass seed. 20 lbs. per bu. Pkt., 15c. (by P. P., 20c.); 25c. per qt. (by P. P., 35c.); 2 qts., 45c. (by P. P., 55c.); 75c. for 4 qts. (by P. P., 90c.); pk., \$1.50 (by P. P., \$1.75); \$5.50 per bu. (by P. P., \$6.25); 100 lbs. at 25c. per lb.

Special Sod Grass Seed. A quick growing mixture, making a very tough and heavy sod in a short time; especially valuable for cemeteries, tennis courts, pleasure grounds, etc. 20 lbs. per bu. Pkt., 15c. (by P. P., 20c.); 30c. per qt. (by P. P., 40c.); 2 qts., 55c. (by P. P., 65c.); \$1.00 for 4 qts. (by P. P., \$1.20); pk., \$1.75 (by P. P., \$2.00); \$6.50 per bu. (by P. P., \$7.25); 100 lbs. et 21c. per lb.

100 lbs. at 31c. per lb.

Michell's Terrace or Embankment Grass Seed. It is usually difficult to establish turf on steep inclines or on terraces. This mixture is composed of deep rooting varieties properly blended which will give very satisfactory results. 20 lbs. per bu., 20c. per pt. (by P. P., 25c.); qt., 35c. (by P. P., 45c.); 65c. for 2 qts. (by P. P., 75c.); 4 qts., \$1.25 (by P. P., \$1.45); \$2.25 per pk. (by P. P., \$2.50); bu., \$8.00 (by P. P., \$8.75); 100 lbs. at 37½c. per lb.

Michell's Fair Ways (Golf Course) Mixture. This mixture is composed of short-growing, deep-rooted varieties that resist wear. It retains its color well during the severest droughts. Fairways to retain their permanency should receive additional sowings during the season to replace any weak or worn out spots. 20 lbs. per bu. 15c. per pt. (by P. P., 20c.); qt., 30c. (by P. P., 40c.); 55c. for 2 qts. (by P. P., 65c.); 4 qts., \$1.00 (by P. P., \$1.20); \$1.75 per pk. (by P. P., \$2.00); bu., \$6.50 (by P. P., \$7.25); 100 lbs. at 30c. per lb.

Southern States Evergreen Lawn Grass Seed. In the southern states especially below Virginia, it is extremely hard to establish a permanent lawn, if the proper combination of grasses are not used; after exhaustive tests and experiments we are pleased to state that our Southern States Evergreen Grass Seed Mixture will come up to the most sanguine expectations. Especially for dry, hot localities. 20 lbs. per bu. 15c. per pt. (by P. P., 20c.); qt., 30c. (by P. P., 40c.); 55c. for 2 qts. (by P. P., 65c.); 4 qts., \$1.00 (by P. P., \$1.20); \$1.75 pk. (by P. P., \$2.00); bu., \$6.50 (by P. P., \$7.25); 100 lbs. at 31c. per lb.

Michell's Athletic Field Grass Seed. A special mixture of deep rooting, fine leaved grasses, especially suited for Baseball, Football and Cricket Grounds. Per qt., 30c. (by P. P., 40c.); 55c. per 2 qts. (by P. P., 65c.); 4 qts., \$1.00 (by P. P., \$1.75 per pk. (by P. P., \$2.00); bu. (20 lbs.), \$6.50 (by P. P., \$7.25); 100 lb. lots and over 31c. per lb.

Michell's Tennis Court Grass Seed Mixture. Our mixture will be found particularly adapted for the purpose as grass is coming more into favor on tennis courts. 20 lbs. per bu. 20c. per pt. (by P. P., 25c.); qt., 35c. (by P. P., 45c.); 65c. for 2 qts. (by P. P., 75c.); 4 qts., \$1.25 (by P. P., \$1.45); \$2.25 per pk. (by P. P., \$2.50); bu., \$8.00 (by P. P., \$8.75); 100 lbs. at $37\frac{1}{2}$ c. per lb.

Michell's Putting Greens Mixture. Our formula for this has been reached after many extensive tests, and those who desire to sow it will not be disappointed in the results they get from it. It is a quick-growing mixture of short, fine-bladed grasses. In sowing Putting Greens it is wise economy to be very liberal with the seed, as they are subjected to continuous hard use. We do not recommend less than 100 lbs. to a green, 100 feet square. 25 lbs. per bu. 35c. per pt. (by P. P., 40c.); qt., 65c. (by P. P., 75c.); \$1.25 for 2 qts. (by P. P., \$1.45); 4 qts., \$2.25 (by P. P., \$2.50); \$4.00 per pk. (by P. P., \$4.25); bu., \$16.00 (by P. P., \$16.75); 100 lbs. at 57 ½c. per lb.

Michell's Teeing Grounds Mixture. Used on golf course tees or in other places where a tough resisting turf is wanted: makes a short, fine growth. 20 lbs. per bu. Pt., 20c. (by P. P., 25c.); 35c. per qt. (by P. P., 45c.); 2 qts., 65c. (by P. P., 75c.); \$1.25 per 4 qts. (by P. P., \$1.45); pk., \$2.25 (by P. P., \$2.50); \$8.00 per bu. (by P. P., \$8.75); 100 lbs. at 37½c. per lb.

White Clover. Choicest recleaned, for sowing on lawns, pastures, etc. Sow 10 to 12 lbs. per acre (60 lbs. per bu.). 5c. per pkt.; 10c. per oz.; ½ lb., 25c.; 45c. per ½ lb. (by P. P., 50c.); lb., 85c. (by P. P., 95c.); \$4.00 per 5 lbs. (by P. P., \$4.25); 10 lbs., \$7.75 (by P. P., \$8.10); \$45.00 per bu. of 60 lbs.; 100 lbs., \$75.00.

Note—All Grass Mixtures except Putting Greens, "Fair Greens" and Tennis Court Mixtures contain white clover. Any of them, however, can be furnished without this.



MICHELL'S RECLEANED GRASS SEEDS

MICHELL'S PERMANENT PASTURE GRASS SEED

It is a well ascertained fact that thicker and more prolonged growth is produced by a mixture of many sorts of grasses than by only one or two; the object to be attained is a constant, successive growth of rich pasturage from Spring until Fall. This mixture is a decided advantage over the usual timothy and clover seed formula, which at their best last usually two seasons. Our mixture of "Permanent Pasture" is a combination of hardy grasses, that will last for years, tho we advise re-sowing them lightly each season in spaces that are bare; attention like this will assure a continuous supply of nutritious pasture. Sow at the rate of 4 to 5 bushels (20 lbs. per bushel) on an acre of new land, or about ½ that quantity for renovating. Prices. Pint, 15c. (by P. P., 20c.); 25c. per qt. (by P. P., 35c.); 2 qts., 45c. (by P. P., 55c.); 85c. for 4 qts. (by P. P., \$1.00); peck, \$1.50 (by P. P., \$1.75); \$5.50 per bushel (by P. P., \$6.25); 100 lbs., 25c. per lb.

MICHELL'S PERMANENT HAYFIELD GRASS SEED .

The old custom of depending upon hay seed sown with wheat is fast passing into the discard. Michell's Hayfield Mixture sown early in April will yield a crop of hay the same summer, while the old method requires waitin g almost two years—a valuable lot of time lost. Our mixture is composed of a variety of high-grade, hardy grasses and clovers, one so wing of which will last a number of years. Sow at the rate of 4 to 5 bushels per acre (20 lbs. per bushel) on new land, or about ½ that quantity for renovating. Prices. 15c. per pt. (by P. P., 20c.); qt., 25c. (by P. P., 35c.); 45c. for 2 qts. (by P. P., 55c.); 4 qts., 85c. (by P. P., \$1.00); \$1.50 per peck (by P. P., \$1.75); bushel, \$5.50 (by P. P., \$6.25); 100 lbs., 25c. per lb.

See pages 4 and 5 for Grass Mixtures for Lawns, etc.

Testimonial

St. James, L. I., N. Y. In all my long experience, I have never seen such a high percentage of germination of Grass Seeds as that purchased from you, the Greens and Fairways after 3 weeks, already look like old established turf. The seed was absolutely first class.

Testimonial

Charleston, W. Va. Please send me one bushel of Clover Lawn Grass Seed. The Mrs. J. R. T. last lot you sent me is very beautiful.

Testimonial

Little Silver, N. J. We are more than satisfied with the results from your Green Velvet Lawn Grass Seed. We sowed our lawn next door to a party who purchased their seed of another firm about 10 days ahead of our sowing. The one we have sown is about 2 weeks ahead of his. J. H. H.

Testimonial

Merion, Pa.

Your Green Velvet Lawn Grass Seed is a winner. 5 weeks I had the finest sod you ever saw, and ready for mow-



A Scene on the Famous "Pine Valley" Course, Pine Valley, N. J

GRASS SEEDS

Bent Grass, Colonial or Velvet. A very fine bladed grass, producing a thick turf; especially valuable for putting greens (20 lbs. per bu.). \$1.00 per lb. (by parcel post, \$1.10).

Bent Grass, South German Mixed. Sometimes referred to as Creeping Bent. Admirably adapted for lawns, also putting greens, tennis courts, etc.; sow 100 lbs. on a putting green 100 feet square (20 lbs. per bu.). \$1.00 per lb. (by parcel post, \$1.10).

Bermuda Grass. For sowing as far North as Washington, D. C.,

above which latitude it is not hardy (35 lbs. per bu.). 50c. per

lb. (by parcel post, 60c.).

Blue Grass, Fancy Kentucky (Poa Pratensis). Our stock of this is extra fine, thoroughly recleaned; sow 5 to 6 bu. per acre on lawns, 4 to 5 bu. on pasture fields (14 lbs. per bu.). 50c. per lb. (by parcel post, 60c.)

Blue Grass, Canadian (Poa Compressa). Makes an ideal pasture, highly relished by cattle; excellent also for sowing on embankments; sow in same proportions as Kentucky Blue Grass Seed (14 lbs. per bu.). 40c. per lb. (by parcel post, 50c.). Creeping Bent. See South German Mixed Bent.

Crested Dogstail (Cynosurus Cristatus). Excellent as a pasture and lawn grass. Sow 4 to 5 bu. per acre (21 lbs. per bu.). 40c.

per lb. (by parcel post, 50c.).

Fescue, Chewing's New Zealand (Festuca Chewing's). Especially recommended for putting greens and lawns (14 lbs. per bu.). 45c. per lb. (by parcel post, 55c.). Fescue, Creeping (Festuca Rubra). Very valuable for sowing on

sandy soil and in shaded places; also on putting greens (14 lbs.

per bu.). 45c. per lb. (by parcel post, 55c.)

Fescue, Fine Leaved (Festuca Tenuifolia). This grass is especially valuable for dry soils. Sow 5 to 6 bu. per acre (14 lbs. per bu.). 65c. per lb. (by parcel post, 75c.).

Fescue, Hard (Festuca Duriuscula). A splendid grass for golf

links, tennis courts, etc.; will resist droughts. Sow 6 to 7 bu. per acre (12 lbs. per bu.). 30c. per lb. (by parcel post, 40c.).

Fescue, Meadow (Festuca Pratensis). Sow 100 lbs. per acre (22 lbs. per bu.). 25c. per lb. (by parcel post, 35c.).

Fescue, Red (Festuca Rubra). Valuable for putting greens; also for sowing on sandy soil and in shaded places (14 lbs. per bu.). 45c. per lb. (by parcel post, 55c.).

Fescue, Sheep's (Festuca Ovina). This makes an excellent grass

for sowing on lawns, fields or pleasure grounds. Sow 6 to 7 bu. per acre (12 lbs. per bu.). 30c. per lb. (by parcel post, 40c.). Herd or Red Top, Fancy Recleaned. This is one of the best

grasses for sowing for immediate effect. Our stock is free from chaff and is absolutely pure. Sow 35 lbs. per acre (32 lbs. per bu.). 30c. per lb. (by parcel post, 40c.).

Herd or Red Top, Unhulled (Agrostis Vulgaris). Sow 6 to 8 bu. per acre on lawns, or 5 to 6 bu. on pasture lands (10 lbs. per bu.). 20c. lb. (by parcel post, 30c.).

Orchard Grass (Dactylis Glomerata). For early pasturing this is very desirable; also fine for sowing in shaded places. Sow 50 lbs. per acre (14 lbs. per bu.). 35c. per lb. (by parcel post, 45c.).

Rhode Island Bent. For sowing at seashore resorts, on putting greens, tennis courts, etc.; sow 100 lbs on a putting green 100 ft. square. (14 lbs. per bu.). \$1.00 per lb. (by parcel post, \$1.10).

Rough Stalked Meadow (Poa Trivialis). A splendid grass for shady places and valuable for use in golf course turf formation. Sow 100 lbs. per acre. (14 lbs. per bu.). 75c. per lb. (by parcel post, 85c.).

Rye Grass, English or Perennial (Lolium Perenne). (Pacey's Fancy Short Seeded.) This makes the quickest returns in growth of any grass; is deep rooted and is readily established. Sow 5 bu. per acre (24 lb s. per bu.). 25c. per lb. (by parcel post, 35c.).

Rye Grass, Italian (Lolium Italicum). Very desirable for pasture; it comes to maturity the first season; the ideal seed for southern lawns in winter. Sow 100 lbs. per acre (18 lbs. per bu.). 25c. per lb. (by parcel post, 35c.).

Sudan Grass Seed (Annual). This belongs to the forage crops and is allied to the millets. Sow 16 to 24 lbs. per acre. 15c. per lb. (by parcel post, 25c.).

Sweet Vernal (Annual). For sowing among grass to impart a sweet odor which is evident at mowing time. 5 lbs. per acre. 35c. per lb. (by parcel post, 45c.).

Sweet Vernal (Perennial). 5 lbs. per acre. \$1.00 per lb. (by parcel post, \$1.10).

Timothy (Phleum Pratense). Sow one-half bu. per acre alone (45 lbs. per bu.). 20c. per lb. (by parcel post, 30c.).

Wood Meadow (*Poa Nemoralis*). The best grass for sowing under trees where a lawn is desired. Sow 75 to 100 lbs. per acre (14 lbs. per bu.). 75c. per lb. (by parcel post, 85c.).

WHITE DUTCH LAWN CLOVER

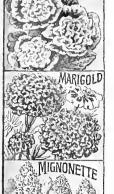
Splendid for sowing among grass on lawns and other places where a thick, quick growth is desired; especially adapted for seashore lawns. 5c. per pkt.; oz., 10c.; 25c. per ¼ lb.; ½ lb., 45c. (by parcel post, 50c.); 85c. per lb. (by parcel post, 95c.); 5 lbs., \$4.00 (by parcel post, \$4.25); \$7.75 for 10 lbs. (by parcel post, \$8.10); per bu., \$45.00; \$75.00 per 100 lbs.

FLOWERS AND PLANTS

FOR DIFFERENT PURPOSES AND SITUATIONS, WHICH CAN BE GROWN FROM SEED

FLOWERING ANNUALS

Including some perennials which flower the first season from seed. Those marked * are the best for massing in beds and borders.



HOLLYHOCK

Acroclinium *Ageratum *Alyssum

Amaranthus *Antirchinum *Arctotis

*Aster Balsam Begonia Brachycome Calendula

*Calliopsis *Candytuft *Celosia *Centaurea

Chinese Wool Flower *Chrysanthemum Cineraria *Clarkia Convolvulus *Coreopsis *Cornflower

*Cosmos Dahlia Daisy *Dianthus *Dimorphotheca *Eschscholtzia Feverfew *Gaillardia

Carnation

Coreopsis

Digitalis

Daisy Delphinium

Eupatorium

Chrysanthemum

*Godetia Gomphrena Gypsophila Helianthus Helichrysum *Hunnemannia Kenilworth Ivv *Larkspur Lavatera *Linum Lobelia

*Lupinus *Marigold Marvel of Peru Mesembryanthemum

Gaillardia

Gypsophila Hollyhock

Lobelia

Lupinus

Lychnis

Myosotis

FLOWERING PERENNIALS

Mignonette Mimulus Myosotis *Nasturtium Nemesia Nemophila Nicotiana *Nigella *Pansy *Petunia *Phlox

Pinks

Pentstemon

Platycodon

Polyanthus Poppy, Oriental Pyrethrum

Phlox

Salvia

*Poppy Portulaca Primula Malacoides

Rhodanthe *Salpiglossis *Salvia Scabiosa Schizanthus

Sensitive Plant Stevia *Stocks Sunflower Sweet Peas *Tagetes Verbena Viola cornuta *Zinnia

Scabiosa Caucasica

Shasta Daisy

Sweet William

Wallflower

Statice

Viola









Aconitum Anchusa Anemone Aquilegia

Auricula Campanula

VARIETIES FOR SHADED AND PARTIALLY SHADED PLACES Bellis Cineraria Clarkia

Daisy Digitalis Godetia

Kenilworth Ivy Mimulus

Lobelia Cardinalis

Myosotis Nemophila Polyanthus Primula Viola

CLIMBING VINES

ANNUALS

Balsam Apple Cardinal Climber Convolvulus Cucumber. Wild

Cypress Vine Humulus Ipomoea Nasturtium

Sweet Peas Thunbergia Nasturtium Ampelopsis Clematis Hop Vine

PERENNIALS Kudzu Vine (Pueraria) Lathyrus Wistaria

VARIETIES FOR CUTTING

Acroclinium Antirrhinum Aquilegia Arctotis Aster Calendula

Calliopsis Candytuft Carnation Chinese Wool Flower Centaurea Chrysanthemum

Coreopsis Cornflower Cosmos Dahlia Delphinium Feverfew

Gaillardia Gerbera Gypsophila Helianthus Hunnemannia Larkspur

Marigold Mignonette Pentstemon Poppies Salpiglossis Scabiosa

Shasta Daisy Statice Stocks Sunflower Sweet Peas Zinnia

EDGING AND BORDER PLANTS

Ageratum Alyssum Begonia, ever-blooming Candytuft, dwarf Centaurea Candidissima Cineraria Maritima Daisy Dimorphotheca

Lobelia Marigold, French, Legion of Honor MyosotisNasturtium. Tom Thumb

Nemophila Pansies Petunia, Rosy Morn Phlox Drummondi Polyanthus

Pyrethrum Tagetes Signata Pumila

FRAGRANT FLOWERS

Alyssum Candytuft Carnation

Centaurea Cyclamen Heliotrope Lupinus Mignonette Mimulus Moschatus Nicotiana Affinis Polyanthus Scabiosa

Stocks Sweet Peas Sweet William

Violet Wallflower

ORNAMENTAL FOLIAGE PLANTS

Amaranthus Centaurea Candidissima Cineraria Maritima Coleus

Kochia Pyrethrum Ricinus

EVERLASTING FLOWERS

Acroclinium Gomphrena Gypsophila Paniculata Helichrysum

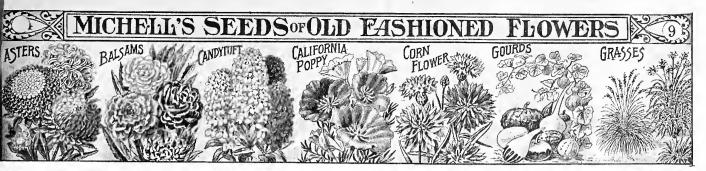
Rhodanthe Statice Xeranthemum

PLANTS FOR HANGING BASKETS, ETC.

Alvssum Asparagus Sprengeri Begonia Convolvulus Kenilworth Ivv Lobelia

Maurandia Nasturtium Nierembergia Petunia

Smilax ` Thunbergia





Michell's Collections of Popular Old-Fashioned Flowers

On this page the lover of Old-Fashioned Flowers will find a selection of all the better varieties grouped under their respective names. They are also listed through the Flower Seed pages, where they are described more fully.

more fully.	
ASTERS — Michell's Improved Semple's Branching, in 6 charming and distinct colors; late bloomers	.50 .40 .50 .40 .50 .40
BALSAMS—Double Camellia Flowered. A greatly improved strain of these old favorites in 6 colors; very double	.50
CALIFORNIA POPPIES (Eschscholtzia). Their brilliant colors make the garden gay; very useful for cutting; 8 varieties	.60
CANDYTUFT. Flowers within six weeks after sowing, and will give a mass of attractive blooms; 6 colors	.50
CORN FLOWER, GIANT (Centaurea or Sweet Sultan). An old favorite garden annual; 6 colors	.50
GRASSES (Ornamental). In 11 grand varieties.	.75
HOLLYHOCKS. No garden should be without these very showy plants; 6 grand and distinct colors	.50
LARKSPUR. Excellent annuals for cutting; 6 colors	.50
MARIGOLDS. Double French. Profuse bloomers and always showy; 6 imported varieties	.40 .40
MIGNONETTE. Ever a favorite in the garden, and will bloom until frost; 6 varieties	.40
NASTURTIUMS. Invaluable as showy garden plants. Dwarf. 12 distinct sorts; one pkt. each Tall. 12 distinct sorts; one pkt. each	.50 .50
PANSY. No garden is a garden without Pansies. Ours are admitted to be the finest in existence. Giant Prize. 6 grand colors; fine Giant Prize. 12 grand colors; exquisite	.75 1.40
PETUNIAS. A greatly improved strain in colors and size; immense frilled flowers; single;	.75

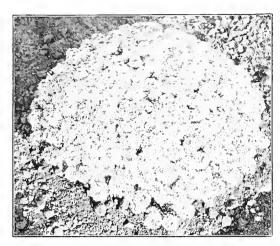
	PHLOX DRUMMONDII. Grandiflora. 12 very beautiful and gaudy imported sorts	0.75
.40	PINKS (Dianthus). Their delicious odor makes them ever attractive. Odd forms in 6 varieties	.40
.50 .40	POPPIES. Single Annual. Rich in colors. The most showy flowers in the garden and great favorites; 5 single sorts Double Annual. 6 colors	.40 .50
.50	PORTULACA. Single. 8 varieties Double. The finest imported than can be had; 6 gorgeous colors; grand	.50
	PRIMROSE (Primula Chinensis). Every one loves them; these 8 imported sorts are grand.	.75
.60	SALPIGLOSSIS. Very curious and interesting forms; many are quite new; 6 colors	.50
.50	SNAPDRAGONS (Antirrhinum). Old standbys for showy groups. Michell's Giant Tall. 6 colors	.50
.50	Michell's Semi-Dwarf. 6 colors	.50
.75	hardy annuals; fine for cutting; 6 colors STOCKS. Flower Market. Plants branch free-	.50
.50	ly and produce from 10 to 15 spikes of flowers; 6 colors	.75 .50
.50	STRAW FLOWER (Helichrysum). Beautiful everlasting flowers, remaining perfect for months; 6 colors	.50
.40 .40	SWEET PEAS. Spencer or Orchid-Flowering. A grand selection of 12 varieties, all beautiful and distinct	1.00
.40	VERBENAS. Mammoth Fancy. The kinds that bear the largest flowers; 6 colors	.50
.50 .50	WALLFLOWER. Single. Well-known favorites of distinct colors; 6 imported varieties Double. Very fine, compact trusses; 6 varieties	.40
.75 1.40	ZINNIA. Dwarf Double. Indispensable in every garden; masses of flowers in all shades; 6 grand colors. Giant Dahlia Flowered. Immense flowers,	.40
.75	resembling Dahlias; 8 separate varieties. Giant Double. Finest of all; every shade of color found in Zinnias; 12 colors	1.25
	Giant Double. 6 colors	•50





MICHELL'S NOVELTIES AND SPECIALTIES IN FLOWER SEEDS FOR 1925

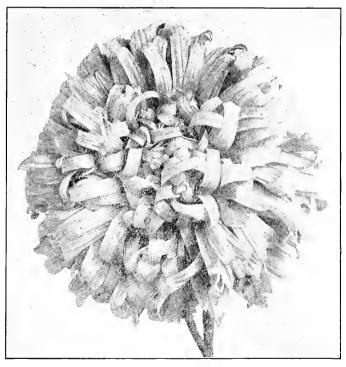
FOR GENERAL LIST OF FLOWER SEEDS SEE PAGES 12A TO 47



Alyssum, Michell's Bouquet

ALYSSUM, MICHELL'S BOUQUET

This new variety is of exceedingly dwarf and compact growth, very free flowering, plants forming a perfect bouquet of miniature white flowers. A perfect gem for edging. Commences to bloom when plants are very small and continues until frost. We have an extra fine strain of this variety. Per pkt., 10c.; 40c. per large pkt.; oz., \$1.50.



Aster, California Giant

PACIFIC BEAUTY ASTER

A new variety of the same type as Crego, producing a profusion of immense blooms of a rich lavender color. The petals are wide and long and gracefully curled. Pkt., 25c.; 60c. per large pkt.; oz., \$3.00.

For complete list of Asters, see pages 15 to 17.

NEW ANTIRRHINUMS

(Snapdragon)

One of the showiest of our garden flowers, blooming profusely and continuously throughout the summer. Valuable both as a cut flower for home decoration or for bedding. The varieties offered below are also excellent for forcing.

Canary Bird. Flowers extra large; color, canary yellow, with golden yellow center. Pkt., 25c.; 50c. per large pkt.

Cattleya. Flowers silvery rosy lilac with golden yellow lip, large flowering. Pkt., 25c.; 50c. per large pkt.

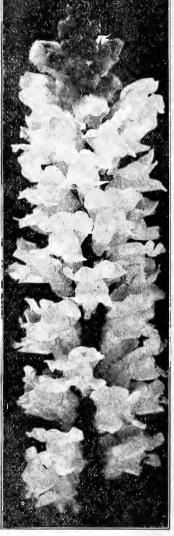
Orlando. Large flowers of a beautiful bronze color. Pkt., 25c.; \$1.00 per large pkt.

Philadelphia Pink. Considered to be the finest pure pink; an exquisite shade; flowers large on stout stems. Pkt., 25c.; 75c. per large pkt.

Silver Pink. Large flowers on long stems. Pkt., 25c.; 75c. per large pkt.

Snowflake. Blooms extra large and well formed; lovely white with yellow throat. Pkt., 25c.; 50c. per large pkt.

Collection. One packet each above six varieties for \$1.25.



Antirrhinum, Philadelphia Pink

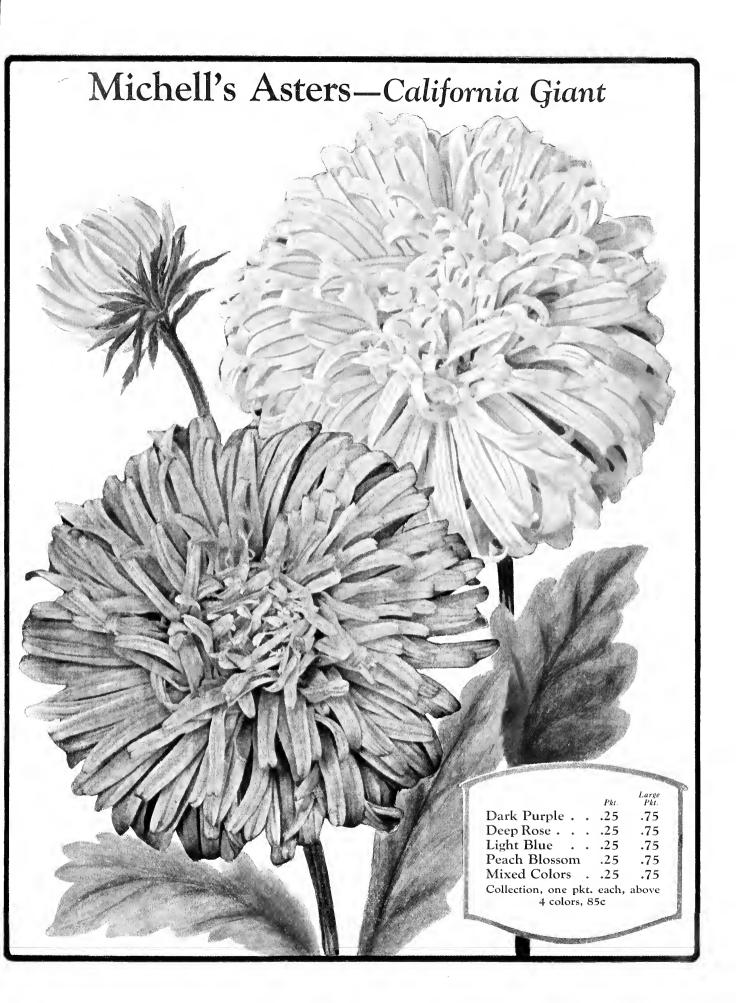
NEW ASTER CALIFORNIA GIANT

(See Color Plate Opposite)

A new variety of the Crego type, with the robust habit of growth and long stems of the Beauty type. Flowers larger than Crego and stand up well after being cut; their immense size and beauty with their long, sturdy stems make them very attractive.

Dark Purple	ge pkt. 30.75	Pkt. \$0.25
Deep Rose	.75	.25
Light Blue		
Peach Blossom	.75	.25
White	.75	.25
Mixed Colors	.75	.25

Collection. One packet each 4 colors, as per color plate, 85c.





Aster, Heart of France

Candytuft, Michell's Giant White

ASTER, HEART OF FRANCE

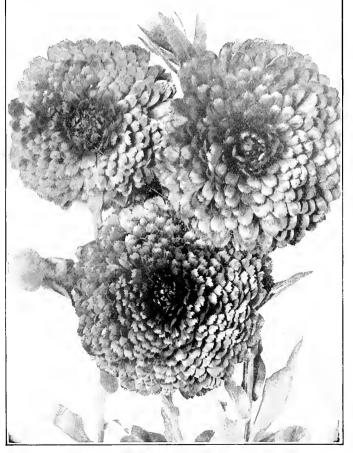
A new variety, description of which we quote from the introducers: "The best pure red Aster ever introduced. Heart of France opens red as the ruby. deepens with age and retains its remarkable beauty to the very end. The petals appear strikingly changeable, showing a glow and sheen quite unique. The flowers are large and full with no trace of a hollow center; the plants are of branching type and very robust; stems long and strong." Per pkt., 25c.; 60c. per large pkt.; oz., \$3.00.

CALENDULA BALL'S STRAIN

A new variety of upright growth and producing on long stems, large, bright glowing orange flowers, which are uniformly double. An excellent variety for forcing. Pkt., 25c.; 60c. per large pkt.

Ambler, Pa.
I have had such good success with your flower seeds
I would like your catalog
for next year.

Mrs. K. D.



Calendula, Ball's Strain

CANDYTUFT MICHELL'S GIANT WHITE

The largest and finest white; immense spikes, resembling Hyacinths; the finest variety for greenhouse culture and unsurpassed for outdoor bedding. Pkt., 10c.; 25c. per large pkt.; oz., 60c.

DELPHINIUM (Larkspur) BLUE BUTTERFLY

An annual variety of the well known Larkspur, producing large, brilliant blue spikes of flowers; of compact habit. Blooms very freely from seed sown in early spring. Per pkt., 15c.; 50c. per large pkt.; oz., \$2.25.

SPECIAL OFFER. One packet each of the Novelties and Specialties on this page, for 65c.

Omulgee, Okla.

We had splendid results from all of your flower seeds.

H. D. E.

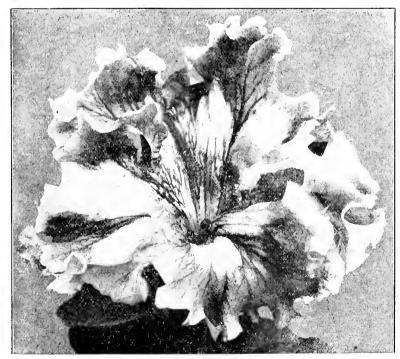


Cosmos, Extra Early Double

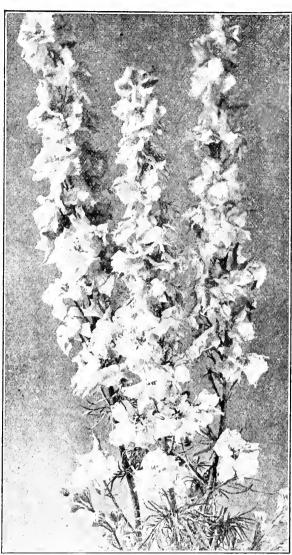
DOUBLE COSMOS EXTRA EARLY FLOWERING

The double flowering strains of Cosmos which have been introduced within the last few years are becoming very popular. This new early flowering strain will commence blooming in July and will continue until frost. The flowers are full, round and double and very attractive.

demone and very measures.	Larg	∘ pκt.	PKt.
Crimson	\$	0.75	\$0.25
Pink		.75	.25
White			
Mixed Colors		.60	.25
Collection. One packet each of above 3 colors,	65c.		



Petunia, Michell's Monstrosus



New Annual Larkspur, Exquisite

NEW ANNUAL LARKSPUR EXQUISITE

A new and much wanted color in the splendid double stock flowered type. The color is a soft yet bright rose color, that makes a charming and effective bunch when cut and equally as effective in the garden. Per pkt., 25c.; 40c. per large pkt.

PANSY, ORANGE KING
A new variety, producing large flowers, the lower portion of which is of a vivid orange color, shading at the center to a lighter tone, whereas a distinct creamy tint is to be seen in the upper petals. Pkt., 30c.; 75c. per 3 pkts.

LARGE FLOWERING PETUNIA "MICHELL'S MONSTROSUS"

A great acquisition to the list of Large Flowering Petunias, surpassing the well-known Giants of California. The flowers are extremely large, quite a number of which are elegantly fringed; the colorings, markings, veinings, blotches, etc., are superb; many of them having deep throats of various shades. Per pkt., 25c.; 85c. per large pkt.

Special Offer.—One packet each of the Novelties and Specialties on this page (Mixed Cosmos not included) for \$1.40.

PRIMULA OBCONICA GIGANTEA

An extra large flowering type of this popular Primula, which are great favorites for house and conservatory decorations. Seeds grown for us by a specialist.

Apple Blossom. Soft pink. \$1.25 \$0.40 Kermesina. Deep crimson 1.25 .40 Deep Rose. Brilliant 1.25 .40 Rosea. Pink 1.25 .40 Salmon Queen 1.25 .40 Mixed Colors. 1.25 .40

NEW RICINUS OR CASTOR OIL PLANT "RED SPIRE"

The shapely, bushy plants attain a height of about 6 feet, with pretty palmate leaves of a bronzy green with prominent red ribs and veins, and producing through the summer and autumn numerous spikes of flowers or seed pods 9 to 18 inches long, of a brilliant rosy crimson; altogether a most effective semi-tropical plant, valuable alike for its foliage and flowers, and like other Ricinus, absolutely insect-proof. As single specimens or in beds on the lawn, for filling up a corner, or making a hedge or line, this is one of the most ornamental plants ever introduced. Per pkt., 15c.; 40c. per oz.

NEW EARLY OR WINTER FLOWERING SPENCER SWEET PEAS

The following varieties but recently introduced have proven to be a great improvement in the Winter Flowering Spencer Sweet Peas. They are of special merit as regards size and form of flowers and length of stem.

Florence Michell (New Blue). The best deep blue to date; robust habit; very free flowering, usually four large flowers are produced on long stems. Pkt., 35c.; \$2.25 per ½ oz.; oz., \$4.00.

Rose Dore. A beautiful rose pink, suffused gold, with orange shading; very long stems, carrying three and often four well placed flowers. Pkt., 25c.; \$1.75 per ½ oz.; oz., \$3.00.

SUMMER FLOWERING SPENCER SWEET PEA DEFIANCE

A new variety of vigorous, robust habit; a fine, large orange scarlet; absolutely burnless. Pkt., 25c; 1.25 per ½ oz.; oz., 2.25; 8.00 per ½ lb.



Zinnia, Giant Dahlia Flowered



Primula Obconica Gigantea

ZINNIA NEW GIANT DAHLIA FLOWERED

This splendid new and distinct race is without a doubt the greatest improvement in Zinnias yet developed and will greatly increase the popularity of this flower. The plants are of strong, vigorous habit, from $2\frac{1}{2}$ to 3 feet high, and produce mammoth flowers 4 to 6 inches across and $2\frac{1}{2}$ to 3 inches deep. The

broad petals are closely imbricated, sometimes seeming almost to be piled one upon the other, the flowers so closely resembling decorative Dahlias, that when placed by their side, it is difficult to distinguish one from the other. This new variety is also valuable for growing under glass for cutting.

by their side, it is difficult to distinguish on other. This new variety is also valuable f	e froi	m the
under glass for cutting.	e nkt	. Pkt.
Crimson Giant. By far the largest and best of the red shades; plants very vigor-	•	
ous\$	0.60	\$0.20
Dream. A fine, deep lavender turning to		
purple, a new, desirable shade in Zinnias.	.60	.20
Exquisite. One of the most pleasing in the		
collection; truly Dahlia-flowered as re-		
gards form and size; color, light rose, with		
deep rose centre	.60	.20
Golden State. A very rich orange yellow;		
yellow in the bud, turning to an attractive		
orange when in full bloom	.60	.20
Old Rose. A very desirable shade; flowers		
large and of fine form	.60	.20
Oriole. One of the most beautiful of its		
class; an immense orange and gold bi-		
color, changing slightly as it ages, but at		
all times worthy of the beautiful bird for		
which it was named	.60	.20
Polar Bear. A very large pure white; the	.00	
best white yet seen in Zinnias	.60	.20
Scarlet Flame. A large, beautiful bright	•••	
scarlet, with a delightful blending of		
orange throughout the petal	.60	.20
Mixed Colors. A well blended mixture,	•00	•=•
covering a wide range of colors and shades		
(oz., \$2.25)	.50	.15
(oz., \$2.25)	parate	vari-
eties for \$1.25.		
Collection. One large packet each of above	8 501	arate

Collection. One large packet each of above 8 separate varieties for \$4.00.





Our flower seeds have a reputation for their superior quality and for the excellent results obtained by sowing them. It is our constant endeavor to supply only such varieties and strains that will give the best of satisfaction.

Throughout the following pages of Flower Seeds the different varieties are designated as Annuals, Biennials, Perennials, etc., and for the benefit of those who are not familiar with these terms, we wish to make the following brief explanation:

Annuals. These grow and bloom, mature their seed and then die in the same year, such as Asters, Balsams, Poppies, Sweet Peas, Morning Glories, etc., some of which may be sown in the house from March to May, or outdoors after danger from frost is over.

Biennials. These grow from seed sown during mid-summer, flowering the second year, after which they die; many of the varieties bloom the first season if sown early. In this class we have Pansies, English Daisies, Campanula Medium, Dianthus, etc.

Perennials. Those which live from year to year, such as Aquilegia, Delphinium, Foxglove, etc. Seed may be sown outdoors

from June to September and transplanted late in fall into their permanent quarters, and protected during winter with a light litter of straw or leaves. The hardy perennials not usually needing any protection after the first winter; the half-hardy perennials require protection during the winter, and the tender perennials during the winter require greenhouse protection.

A COMPLETE INDEX OF FLOWER SEEDS WILL BE FOUND ON PAGES 2 AND 3 OF CATALOG. FOR NOVELTIES AND SPECIALTIES SEE PAGES 9 TO 12.

ABUTILON (Flowering Maple)

Large Pkt. Pkt.

\$0.10

.10

Choice Mixed. Used extensively for ornamental bedding: also valuable for flowering indoors during the winter: seed should be started in heat from January till March: foliage is of maple form and has variegated coloring; flowers bell-shaped; height, 3 feet..\$0.75

ACHILLEA (Milfoil or Yarrow)

Ptarmica, Fl. Pl., "The Pearl." Tall erect plant bearing its pure white double flowers in great profusion all summer; hardy perennial; easily grown from seed, flowering the first season if seed is sown early; excellent cut flower for vases; 2 feet10

ACONITUM (Monk's Hood or Helmet Flower)

Handsome hardy perennial, thriving best in semi-shady situations; effective in hardy borders, shrubberies, etc.; curious hoodshaped flowers in clusters; height, 4 feet; August-September.

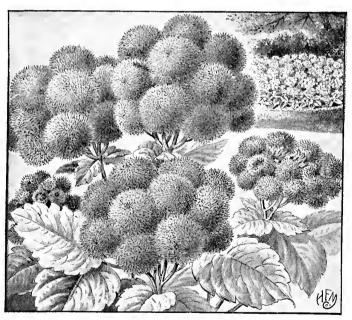
Large Pkt. Pkt. Napellus. Blue......\$0.40 \$0.10

ACROCLINIUM (Everlasting Flower) See page 27

AGROSTEMMA

Coronaria (Mullein Pink). Silvery foliage and bright crimson flowers; free-flowering hardy perennial of easy culture; blooms the first season; fine for cutting; $2\frac{1}{2}$ to 3 feet; June to August......

For Michell's Collections of Flower Seeds, See page 8.



Ageratum, Blue Perfection

AGERATUM (Floss Flower)

An excellent plant for edging or solid effects. For early bloom sow indoors from March till May; sown outdoors in May will flower in August. A continuous bloomer.

nower in ragust. It continuous provinci.		
$\overline{\text{Larg}}$	ge Pkt	. Pkt.
Blue Perfection. Large heads of deep blue flowers		
produced in abundance; 15 inches\$	0.25	\$0.10
Imperial Dwarf Blue. Clear blue; compact growing		
plant; height, 9 inches	.25	.10
Imperial Dwarf White		.10
Imperial Dwarf Mixed	.25	.10
Little Blue Star. Plants densely covered with bright		
blue flowers; height, 5 inches	.75	.15

MICHES FLOWER SEEDS

.10

ALYSSUM

One of the most popular garden flowers, remaining in bloom the entire season; it is of the easiest culture, and is suitable alike for beds and edging in summer, or for growing in pots and boxes for winter blooming. Large Pkt. Pkt. Lilac Queen. A distinct variety of dwarf, compact growth, with flowers of a pure lilac color; 4 inches. \$0.25 \$0.10 Little Gem. Dwarf compact plants, densely covered

with large white flowers; commences to bloom when .10 Michell's Bouquet. Plants dwarf and compact: forms a perfect bouquet of miniature white flowers; a perfect gem for edging. For illustration and full .10 Sweet (Maritimum). The popular old-fashioned sort; the best for broad edges and vases. Pure white: height, 6 inches......oz., 30c. .10 Saxatile Compactum (Basket of Gold). An ideal

hardy perennial plant, flowering in May; showy golden-yellow flowers; blooms the first season if sown early indoors; excellent for rockwork. Height, 1 foot.....

AMARANTHUS

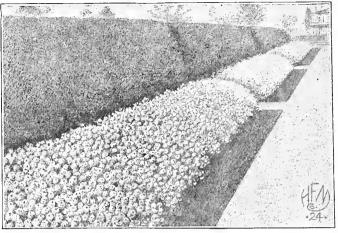
Decorative foliage plants, easily raised from seed, either by starting them early indoors or sown outdoors in May. Useful in borders of tall plants or for the centre of large beds.

Large pkt. Pkt. Molten Fire (Summer Poinsettia) (New). Leaves iridescent crimson-salmon color\$0.75 \$0.40 Caudatus (Love Lies Bleeding). Long drooping crim-.25 .10 son racemes; height, 3 feet..... Sunrise. Foliage bronzy crimson, tipped carmine... .10 Tricolor Splendens (Joseph's Coat). Foliage green, .25 variegated crimson and yellow; height, 2 feet.... .10 Mixed. All sorts..... .25.10

AMPELOPSIS. See next page. ANCHUSA. See next page. ANEMONE. See next page. ANTHEMIS. See next page.



Michell's Giant Antirrhinum (Snapdragon)



Sweet Alyssum

See page 9 for Michell's Bouquet Alyssum.

ANTIRRHINUM (Snapdragon)

A splendid plant for beds or borders and one of our choicest cut flowers; extensively forced under glass during the winter. To have flowers early, sow indoors during February or March, but even if sown outdoors early in May it will bloom in July.

SPECIAL FORCING VARIETIES

Large pki	t. Pkt.
Helen. Lovely salmon color	\$1.25
Keystone. Large spikes; color rose pink\$0.75	.25
Michell's Salmon Pink. Long spikes of flowers of	
a delicate salmon pink	.15
Orlando. Bronze color	.25
Philadelphia Pink. Considered to be the finest	
pure pink; an exquisite shade 1.25	.25
Silver Pink	.25

MAXIMUM VARIETIES

A new group of Antirrhinums with extra large flowers; these are also forcing varieties.

	ge pkt.	
Canary Bird. Canary yellow, golden yellow center.	0.50	\$0.25
Cattleya. Silvery rosy lilac		.25
Snowflake. Pure white, yellow tube	.50	.25
Mixed. Maximum varieties	.40	.25

MICHELL'S GIANT ANTIRRHINUMS

Spikes, 2 to 3 feet in length, with giant flowers.

			Pkt.
Giant Brilliant Rose	\$0	0.30	\$0.10
Giant Garnet		.30	.10
Giant Pink		.30	.10
Giant Scarlet		.30	.10
Giant White		.30	.10
Giant Yellow		.30	.10
Collection, one packet each six colors, 50c.			
Giant Mixed. All colors oz.,		.30	.10
Tall Mixed. Regular strain; 2 feet oz.,	60c.	.25	.10

ANTIRRHINUMS—Various Sorts

The Semi-Dwarf sorts grow about 18 inches high, with large The Semi-Dwart sorts grow about 10 months and flowers over most of the stem; excellent for bedding,

		Larg	e pre	· FKt-
Semi	Dwarf.	Bonfire. Orange buff, shaded scarlet\$	0.40	\$0.10
	"	Bride. Pure white	.40	.10
	44	Daphne. Carmine pink, white throat	.40	.10
	4.4	Firebrand. Rich deep red	.40	.10
	4.6	Golden Queen. Golden yellow		.10
	4.6	Mauve Queen. Lilac mauve	.40	.1)
	"	Mont Blanc. Pure white	.40	.10
	4.6	Nelrose. Pink	.40	.15
	"	Mixed. All colors oz., \$1.00	.30	.10
Tom	Thumb	Mixed. All colors; 12 inches	.30	.10

SEEDS FLOWER

.10

.10

AMPELOPSIS (Boston or Japanese Ivy)

		Large pkt	. Pkt.
Veitchi. A hardy percnnial	climber with olive-	green	
leaves, which turn to scar.	et in the autumn.	The	
best hardy vine for covering	g brick or stone bui	ldings	
or walls			\$0.10

ANCHUSA (Sea Bugloss)

Italica "Dropmore." A very popular strong growing hardy perennial plant, 4 feet high, with an abundance of beautiful flowers of a lovely gentian blue, borne on graceful stems, during the entire season; 3 to 4 ft.

ANEMONE (Wind Flower)

Coronaria. A pretty, hardy perennial, producing large flowers; excellent for bouquets; mixed colors;		
1 foot	.30	.10
and double, in many colors; 1 foot	.60	.15

ANTHEMIS (Hardy Marguerite)

Tinctoria Kelwayi. A handsome, hardy perennial, bearing all summer, daisy-like bright yellow flowers;



Aquilegia (Columbine) Long Spurred

AQUILEGIAS OR COLUMBINES

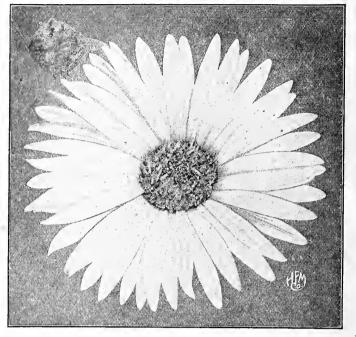
These are among the most beautiful of spring and early summer flowers; very effective when grown in the herbaceous border and groups among shrubbery. Graceful spurred flowers on stems 2 feet or more above the foliage. Seed sown early in the spring will in most cases produce plants that will bloom the same season.

Larg	e pkt	. Pkt.
Californica Hybrida. Mixed colors, principally		
yellow and orange shades; long spurs\$	0.60	\$0.10
Chrysantha (Golden Spurred). Bright golden yellow.	.60	.10
Coerulea (Rocky Mountain Columbine). Large flow-		
ers, violet blue and white	.60	.10
Long Spurred Hybrids. Flowers of many rich and		
varied colors, with long spurs	.60	.10
Rose Queen. Light to dark pink with white centre		
and yellow anthers	.75	.15
Double Mixed. All colorsoz., 90c.	.25	.10
Single Mixed. All colorsoz., 75c.	.25	.10
ARABIS (Rock Cress)		
Alpina. Early spring flowering plants especially adapted for edging and rockery; plants form a dense		

.25

.10

carpet completely covered with pure white blossoms; perennial; April-May; 6 inches......



Arctotis Grandis (Large pkt. 25c.)

ARCTOTIS (African Daisy)

Large pkt. Pkt.

.15

.10

Grandis. Bushy annual plants, producing the entire season, on long stems, large daisy-like flowers, pure white on the upper surface, the reverse side of petals lilac-blue; 2 feet......\$0.25 \$0.10

ARTEMISIA

Sacrorum Viridis (Summer Fir). A new ornamental foliage plant from China; pyramidal bushes 3 to 5 feet high; may be grown in groups and borders; also pretty as a pot plant; foliage fine and of a rich dark green. Plants cultivated in the open ground may be successfully planted in pots without any interruption of their growth.....

ARUNDO (Ornamental Grass) See page 29.

ASPARAGUS 100 Seeds. Pkt. Plumosus Nanus. An excellent plant for house or conservatory decoration or cutting on account of its

graceful, finely cut foliage; will remain fresh a long ..\$1.00 \$0.25

baskets or window boxes for the greenhouse in winter or for outdoors in the summer...... .10

ASPERULA (Woodruff) Large pkt. Pkt.

Odorata. A pretty hardy perennial plant thriving in partial shade; flowers white. The leaves and flowers when dried have an odor like new mown hay and when laid among clothes perfume them and keep away insects; 1 foot; May.....

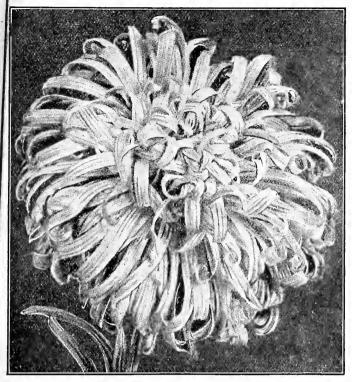
MICHELL'S CULTURAL LEAFLETS

We have prepared the following Cultural Leaflets especially for the benefit of the amateur, or, in fact, for any who may want them, giving instructions how to grow the varieties named successfully from seed. These leaflets are free

manife baccoppiani	om beed. These let	the but the tree.
201. Antirrhinum.	208. Zinnia.	215. Cyclamen.
202. Aster.	209. Pansy.	216. Larkspur
203. Cineraria.	210. Salvia.	(Annual).
204. Mignonette.	211. Stock.	217. Lupinus.
205. Petunia.	212. Perennials.	218. Phlox Drum.
206. Primula.	213. Carnation.	219. Nasturtium.
207. Verbena.	214. Cosmos.	220. Begonia.

MICHELL'S SUPERB ASTERS

We can imagine no other flower which combines so much beauty with grace and usefulness and with which more brilliant effects can be achieved. From July till September this flower reigns supreme in the garden, not equaled by any other. For these obvious reasons we give a great deal of attention to these flowers, and are in a position to offer our patrons remarkably fine strains, producing perfect flowers of great beauty. Many of the strains we offer are grown under our own supervision by specialists in this country. To have early flowers, sow the seed in the house, hotbed or cold frame, from March till May; otherwise sow outdoors after danger from frost has passed. To do well, Asters require a well-pulverized soil, always kept open by continuous cultivation.



Astermum

ASTERMUM

A valuable variety of Aster of the Comet type, coming into bloom in mid-season; plants grow straight up with strong, sturdy stems, and may be set more closely than other varieties. Each plant yields from ten to fifteen blooms. Oz. Large pkt. Pkt. .15 Shell Pink...... 2,25 .15 .15 .15 Collection, one pkt. each of above 4 colors50

CALIFORNIA GIANT ASTERS

See color plate opposite page 10.

A new variety with flowers of the Crego type, and with the habit of growth and long stems of the Beauty type. Flowers large and stand up well after being cut. Their immense size and beauty, as well as their long stems make them very attractive.

Large pkt. Pkt.	Large pkt. Pkt.
Dark Purple \$0.75 \$0.25	Large pkt. Pkt. Peach Blossom\$0.75 \$0.25
Deep Rose	
Light Blue75 .25	Choice Mixed75 .25
Collection, one pkt. each 4 cold	ors as per color plate, 85c.

EARLY WONDER ASTERS

The earliest variety in cultivation, coming into bloom several days before "Queen of the Market." The form is that of "Giant Comet" type; the flowers are large and very double; stems average 18 inches in length.

Dark Blue.

\$3.00 \$0.60 \$0.10

Pink.

\$3.00 .60 .10

White.

\$3.00 .60 .10

Special Note.—While this splendid fall flower is very easily grown from seed, the greatest possible care should be exercised with the seed bed; old soil and boxes should never be used the second time without thoroughly sterilizing, to avoid the numerous diseases to which Asters are so susceptible. Barnyard manure should never be employed as a fertilizer; we recommend the use of fine ground bone meal, and on no account should they be grown in the same location two years in succession.

DAYBREAK ASTERS

The Daybreak class forms strong plants of upright, bushy habit and are very profuse bloomers; excellent for beds or borders; flowers perfectly double and carried on long, erect stems.

Oz.	Large pkt.	Pkt.
Azure Blue	00 \$0.60	\$0.10
Daybreak. Soft pink	.60	.10
Lavender	.60	.10
Michell's Purity (White Daybreak) 3.0	.60	.10
Rose Pink 3.0	.60	.10
Mixed	.50	.10
Collection, one pkt. each of above 5 colors.		.40

HEART OF FRANCE ASTER

The flowers are large and full to the centre; opens ruby red, deepening with age. Plants are of branching type; flower stems long. See page 10A for illustration and full description. Per pkt., 25c.; 60c. per large pkt.; oz., \$3.00.



Pink Superb Aster (Large pkt. 75c.)

MICHELL'S PINK SUPERB ASTER

The flowers are of immense size, petals long and broad, those in the centre lie curled and incurved, completely covering the crown; the general appearance of the flower being that of an immense flat Chrysanthemum; color, a beautiful shade of pink. An excellent sort for cutting. Per pkt., 25c.; 75c. per large pkt.; oz., \$3.50.

SAMERICAN BEAUTY

CREGO'S GIANT COMET ASTER

Our illustration can do but partial justice to this grand flower. The twisted and curled petals give the flower the appearance of a huge chrysanthemum. The flowers are very large, often measuring 5 inches in diameter. The strong, erect stems average 20 to 24 inches in length. Though the flowers are large they are produced in abundance.

		Large	
	Oz.	Pkt.	Pkt.
Azure Blue	.\$2.25	\$0.50	\$0.10
Crimson	. 2.25	.50	.10
Lavender	. 2.25	.50	.10
Purple	. 2.25	.50	.10
Rose Pink.	. 2.25	.50	.10
Shell Pink	. 2.25	.50	.10
White	. 2.25	.50	.10
Mixed	. 2.00	.50	.10
Collection, one packet each of 6 colors	3		.50

REGO.

ASTER, VICK'S SILVERY ROSE

A long-stemmed, large-flowering variety; each petal is a combination of deep lilac rose, almost cerise, delicately threaded with white. The threads are so tiny as to give the petals a silvery sheen; even the slightest change in light will shade the petals from a rich, glowing rose cerise to a silvery rose. Pkt., 15c.; 60c. per large pkt.

See color plate of Asters opposite page 10.

ASTER, AMERICAN BEAUTY

This variety is similar in type of flower and growth to the well-known Late Branching Asters, but differs in that all the large blossoms are produced on much longer and heavier stems. Plants will average two and one-half to three feet in height, according to location, while the immense flowers, usually four to five inches in diameter, are often borne on heavy stems which may be cut two feet in length. The flowers are fully double to the last. Each plant forms a perfect bush.

	Large	
	Pkt.	Pkt.
Azure Fairy	.\$0.60	\$0.15
Carmine Rose	60	.15
Crimson	60	.15
Lavender	60	.15
Shell Pink	60	.15
White	60	.15
Mixed	60	.15
Collection, one page		ich of
above 6 colors 750	•	

MICHELL'S INVINCIBLE ASTER

Healthy, robust plants of branching growth, producing on 2-foot long stems massive, well-formed flowers, which are always perfectly double. These Asters are wonderfully prolific and continuous bloomers from summer until freet.

tinuous bloomers from summer until frost.	Large	
0	z. Pkt. *	Pkt.
Blue\$2	25 \$0.50	\$0.10
Crimson	25 .50	.10
Lavender	25 .50	.10
Rose Pink 2.5	25 .50	.10
White	25 .50	.10
Mixed. All colors		.10
Collection, one packet each of above 5 colors.		.40

PACIFIC BEAUTY ASTER

A new variety of the same type as Crego, producing a profusion of immense blooms of a rich lavender color. The petals are wide and long and gracefully curled. Pkt., 25c.; 60c. per large pkt.; oz., \$3.00.



Michell's Superb Asters

QUEEN OF THE MARKET ASTER

Very desirable on account of its earliness and the freedom in which it flowers. Well-formed flowers are produced on 12inch stems in the greatest profusion early in July.

		Large	
	Oz.	Pkt.	Pkt.
Blush Pink	\$1.50	\$0.40	\$0.10
Crimson	1.50	.40	.10
Dark Blue	1.50	.40	.10
Light Blue	. 1.50	.40	.10
Rose Pink	. 1.50	.40	.10
White	. 1.50	.40	.10
Choice Mixed	1.50	.40	.10
Collection, one packet each of above 6	6 colors		.50

ASTER, EARLY ROYAL BRANCHING

An excellent strain of Early Branching Aster, of the same form and having the same good qualities as the Late Branching variety, coming into bloom in July or early August and lasting in perfect condition for a long time. Very desirable for beds or borders, and an excellent variety for cutting. Large

Oz. Pkt. Pkt. Lavender \$2.25\$0.50\$0.10

Purple... 2.25 .50 .10 Rose Pink 2.25 .50 10

Shell Pink 2.25 .50

White... 2.25 .50

Mixed . . . 2.00 .50 Collection, one pkt.

each of above 5



Queen of the Market

Michell's Improved Semple's Branching Aster

This is the finest late blooming Aster. The deep, heavy incurved flowers are borne on rigid stems often 2 feet and more in length. Our Improved Strain has been secured after many years of careful selection. The colors are clear and attractive, which, with the long stems, makes it one of the most valuable varieties for cutting. We have received numerous testimonials on the quality of this Aster. Large

Oz. Crimson....\$2.25 \$0.50 Lavender 2.25 .50 Purple..... .50 Rose Pink.... 2.25 .50Shell Pink . . . 2.25 $\frac{1}{2}.25$ White... Choice Mixed. 1.50 Collection, one pkt. each of above 6 colors50

PERENNIAL ASTER (Michaelmas Daisy)

Large pkt. Pkt.

One of the showiest of our late Choice Mixed. flowering, perennial plants; star-like, single flowers; if sown early in spring will flower the first season; 2 feet

AURICULA (Primula Auricula)

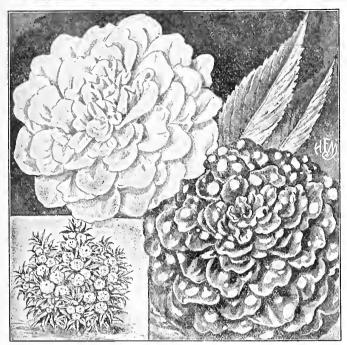
Large pkt. Pkt.

flowering plants; fine for borders, pot culture, etc.; have multi-colored flowers in great variety; half-hardy perennial; 6 inches; May \$0.75 \$0.10

BABY'S BREATH (See Gypsophila) BACHELOR'S BUTTON (See Centaurea and Gomphrena)

BALLOON VINE (Love-in-a-Puff)

Pkt.



Camellia Flowered Balsam

DOUBLE BALSAM (Lady's Slipper)

These old-fashioned flowers have been much improved, and what we offer are perfect in form and of the largest size. Give Balsams plenty of room and they will develop into immense plants with gorgeous flowers. They are of easy culture and will succeed almost anywhere; height 2 feet.

Large

, , ,	Oz.	Pkt.	Pkt.
Camellia Flowered, Pink\$	1.00	\$0.30	\$0.10
Camellia Flowered, Prince Bismarck. Rich			
salmon pink	1.00	.30	.10
Camellia Flowered, Scarlet	1.00	.30	.10
Camellia Flowered, White Perfection	1.00	.30	.10
Camellia Flowered, Choicest Mixed	.60	.25	.10
Imported Collection of 6 Colors			.50

BALSAM APPLE (Momordica)

Remarkably handsome climbing annuals, bearing ornamental orange-colored fruit which when ripe opens, showing a brilliant crimson interior, oz., 50c. .25 .10

BAPTISIA (False Indigo)

BEAN (Runner)

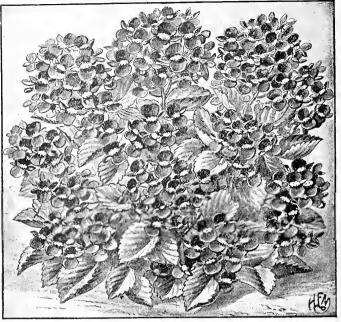
A rapid climber, flowering profusely; grows 10 to 15 ft. high. Scarlet. Per lb., 35c.; 65c. per 2 lbs.; pkt., 5c.

BELLIS PERENNIS. See Daisy BLANKET FLOWER. See Gaillardia BLUE LACE FLOWER. See Didiscus

BOCCONIA (Plume Poppy)

BRACHYCOME (Swan River Daisy)

BRIZA MAXIMA (Ornamental Grass) See page 29
BROMUS (Ornamental Grass) See page 29



Begonia, Gracilis Luminosa

BEGONIA (Semperflorens Type)

The following varieties are unsurpassed for bedding plants, thriving equally well in partially shaded or sunny locations. As pot plants for winter flowering, they are superb. Seeds sown in February or March under glass will produce nice plants for planting out in June.

Large pkt. Pkt.

Erfordia. Delicate pink, one of the choicest......\$0.75 \$0.15

Salmon Queen. Flowers brilliant salmon red; foliage dark group with reddich has

BEGONIA, GRACILIS

BEGONIA, TUBEROUS ROOTED

BROWALLIA

BUTTERFLY FLOWER. See Schizanthus

TESTIMONIAL

Penbrook, Pa.

The seeds that I purchased from you last year were beyond all expectations.

R. L. M.

(oc)



Michell's Grandiflora Calceolaria

CALCEOLARIA

Excellent plants for decorating the greenhouse or conservatory; produces a mass of pocket-like flowers through the spring and summer. Our strains of Calceolaria have a wide reputation as to large size and rich and varied colors of the flowers.

Hybrida Grandiflora, Tall Mixed. Large flowering, Pkt. Pkt. rich, self-colored flowers saved from a choice collec-\$0.85 tion; 18 inches Hybrida Grandiflora Pumila Compacta. Of dwarf, \$0.25 compact robust growth, producing immense trusses of large and varied brilliant self-colored and spotted .25 flowers; 1 foot Rugosa Mixed (Shrubby). Small flowering varieties .25 for bedding.....

CALIFORNIA POPPY. See Eschscholtzia CALLIOPSIS (Coreopsis) ANNUAL VARIETIES

One of the showiest and most easily grown annuals; perfect little bushes, which are a mass of bloom from early summer until cut down by frost: excellent for cutting

cut down by frost; excellent for cutting.	Large	T 1.
Oz.	Pkt .	Pkt.
Golden Wave (Drummondii). Large yellow flowers with dark brown centers; 1 foot\$0.40 Nigra Speciosa. Rich crimson; 2 feet40 Choice Mixed. All varieties and colors40	\$0.25 .25 .25	\$0.10 .10 .10

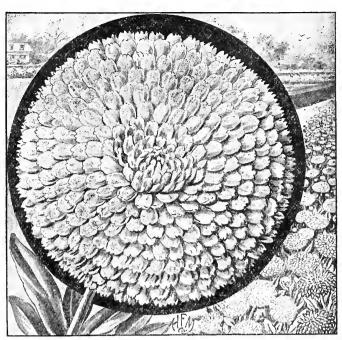
PERENNIAL VARIETIES

One of our most popular perennials; the attractive flowers are borne in great profusion and are excellent for cutting.

Pkt. \$0.25	Pkt. \$0.10
.25	.10
	Pkt. \$0.25

Testimonial

La Forma, Rome, Italy I have had a chance to use your seeds and found same satisfactory in every particular. C. L.



Calendula, Michell's Special Forcing, Orange

CALENDULA (Pot Marigold)

Free flowering showy annuals of easy culture, producing a fine effect in beds or mixed borders; continues in bloom from early summer until killed by frost. Valuable for pot culture, blooming freely in winter and early spring; 1 foot.

		Large	
	Oz.	Pkt.	Pkt.
Michell's Special Forcing, Orange		\$0.50	\$0.20
Ball's Strain. Bright, glowing orange; larg	ge		
and double		.60	.25
Lemon King. Lemon-yellow		.25	.10
Meteor. Yellow striped orange		.25	.10
Orange King. Rich dark orange	40	.25	.10
Pure Gold. Pure golden yellow	40	.25	.10
Mixed	30		.10



Calliopsis, Golden Wave (Large pkt. 25c.)

CAMPANULA MEDIA (Canterbury Bell)

Showy, hardy biennial, growing about 3 feet high; of pyramidal form and covered with large bell-shaped flowers. Sow from June 1st till September 1st; when strong enough transplant to a distance of 6 inches apart; after frost has set in protect with leaves and straw. They flower the following summer, after which they die. Large

		J	,	Oz.	Pkt.	Pkt.
Single !	Blue			 \$0.60	\$0.25	\$0.10
					.25	.10
Single '	White			 .60	.25	.10
Single l	Mixed			 .50	.25	.10
Double	Blue				.50	.10
Double	Pink				.50	.10
Double	White				.50	.10
Double	Mixed			 1.50	.40	.10

CAMPANULA MEDIA CALYCANTHEMA

(Cup and Saucer Canterbury Bells)

These produce beautiful, large single flowers, resembling a cup and saucer; very effective when grown in pots for conservatory decoration: they require the same treatment as above.

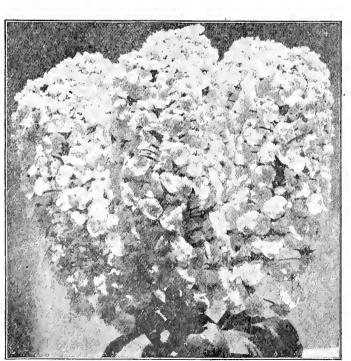
Large pkt.			Pkt.
Blue \$0.50	\$0.10	White \$0.50	\$0.10
Pink	.10	Mixed, ½ oz., 60c50	.10

CAMPANULAS OR BELLFLOWERS

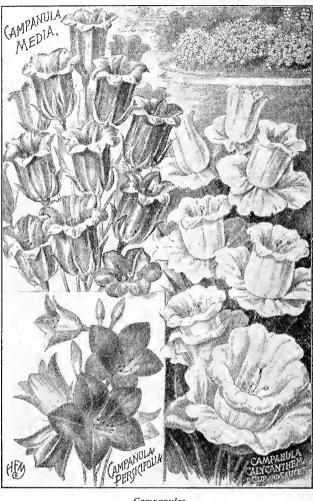
(Perennial Varieties)

These are among our best known hardy perennials, and deserve a place in every perennial flower garden. The tall varieties are fine for cutting, while the dwarf sorts make excellent border plants; all have dainty bell-shaped flowers.

Lar	ge pkt	. Pkt.
Carpatica, Blue (Carpathian Hare Bell). Compact tufts		
not exceeding 8 inches; flowers clear blue, held erect;		
blooms in June and July	\$0.40	\$0.10
Carpatica, Alba. Pure white	.40	.10
Persicifolia Grandiflora, Blue (Peach Bells). Stately		
spikes, 4 feet tall, with immense blue bell-shaped flowers.	.75	.15
Persicifolia Grandiflora, Alba. Pure white	.75	.15
Pyramidalis (Chimney Bellflower). Perfect pyramids 6 ft.		
high, crowded with large bell-shaped flowers, blue and		
white mixed	.40	.10



Candytuft, Michell's Giant White



Campanulas

CANDYTUFT (Iberis)

Dwarf, profuse flowering garden annuals of easy culture; useful for bedding or borders; blooms within six weeks after sowing; excellent for cutting; height, 1 foot.

	Óz.	Large Pkt.	Pkt.
Carmine\$	0.40	\$0.25	\$0.10
Crimson	.40	.25	.10
Empress. An excellent variety with long	.40	.20	.10
trusses of pure white flowers	.40	.25	.10
Lavender	.40	.25	.10
Michell's Giant White. The largest and			
finest white. From 10 to 12 immense spikes			
resembling Hyacinths appear on a single			
plant; fine for forcing	.60	.25	.10
Pink	.40	.25	.10
P			10
Purple. Deep rich purple	.40	.25	
Rose Cardinal. Rosy red	.60	.25	.10
Choice Mixed. All colors	.30		.10
Collection. One packet each, 6 colors			.50
Sempervirens. Dwarf spring flowering peren-			
nial plants; ideal for the bulb border:			
		co	10
flowers of glistening white; May; 1 foot		.60	.10

CANARY BIRD VINE

(Tropaeolum Canariense)

One of the most charming annual climbers,	
bearing hundreds of pretty, fringed, bright	
yellow flowers, which resemble a canary	
bird with expanded wings	.40

MICHELS FLOWER SEEDS

518 PHILA.

CANNA, Indian Shot

Although these are generally planted from roots, they may be grown with comparative ease from seed. Scrape or file the edge of seed and soak in warm water until they show signs of swelling, then sow in sandy loam and place in a hotbed.

Oz. Pkt.

Crozy's Dwarf Mixed. From the finest sorts\$0.30 \$0.10

CANTERBURY BELL. See Campanula



Carnation, Marguerite

CARNATION

These are general favorites for their richness of color and delightful fragrance; they are desirable for greenhouse culture in winter as well as for the garden in summer.

Large pkt. Pkt. Chabaud's Everblooming, Mixed. Blooms in five

months after being sown, and continues to flower in the greatest profusion indefinitely...........\$0.60 \$0.15

MARGUERITE CARNATIONS

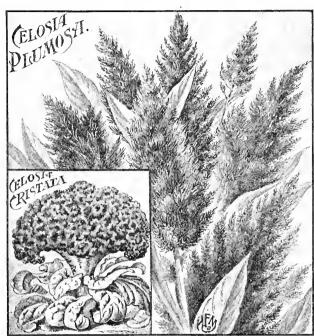
These are the most satisfactory of the annual pinks, and will bloom in four months after sowing the seed. The flowers are large, fragrant and are produced continuously. If slightly protected they will survive an ordinary winter and bloom the following spring.

CASTOR BEAN. See	Ricinus
Choice Mixed	oz., \$2.00 .40 '.10
Yellow	
White	
Scarlet	
Pink	\$0.50 \$0.10
will sai vive the ordinary willter that broom	Large pkt. Pkt.
will survive an ordinary winter and bloom	the following spring.

CARDINAL CLIMBER

(Ipomoea Quamoclit Hybrida)

A distinct and beautiful annual climber; a rapid grower and free bloomer; the vines branch freely, covering a large space very quickly and growing to a height of 20 to 30 feet. Succeeds best in a warm, sunny location and good soil. Leaves dark green and deeply laciniated; bears a profusion of fiery, cardinal red flowers, which are about $1\frac{1}{2}$ inches in diameter. In order to have good germination of the seed, a small notch should be filed or cut in each seed. Per pkt., 15c.; 60c. per large pkt.



CELOSIA CRISTATA (Crested Cockscomb)

Very desirable annuals of easy culture, producing large, brilliant, comb-like heads; make excellent border plants, and are also attractive for pots; 1 to $1\frac{1}{2}$ feet.

4100 4001400110 101	La La	rge pkt	. Pkt.
Giant Empress.	Giant heads of rich crimson		
Glasgow Prize.	Showy dark crimson	.60	.10
Choice Mixed.	Dwarf varietiesoz., \$1.50	.40	.10

CELOSIA PLUMOSA (Feathered Cockscomb)

A splendid decorative plant for the garden. The feathery plumes are produced on long stems and are excellent for cutting. Can also be cut and dried for winter bouquets.

Large pkt. Pkt.

Can also be cut and dried for writer bounders.		
Larg	e pkt	. Pkt,
Childsi (Chinese Woolflower). Plants grow 2½ feet high, and produce a large number of ball-shaped scarlet flowers, resembling silky wool\$	0.50	\$0.15
Childsi, Pink. Same type as above; flowers delicate pink	.60	.15
Chrysantheflora (New). Immense round heads of flowers, in a great variety of colors, including		
salmon-pink and bronze	.75	.25
Golden Plume. Bright golden yellow plumes	.25	.10
Pride of Castle Gould. Immense flower heads that closely resemble ostrich plumes. Colors are bloodred, carmine, yellow, orange, golden, orange-scar-		
let, etc., in mixture	.75	.15
Scarlet	.25	.10
Rosea. Bright rose	.25	.10
Thompsoni Magnifica. An improved strain with		
various colors, ranging from the clearest yellow to the darkest blood red; 3 feet	.30	.10
Thompson's Superb (Triomphe de l'Exposition). A		
strain with bronze colored foliage and graceful	.25	.10
feathery plumes of brilliant crimson; 3 feet		
Choicest Mixed. All colorsoz., 60c.	.25	.10

CENTAUREAS CENTAUREA CYANUS

(Cornflower or Bachelor's Button)

Also known as Blue Bottle, Ragged Sailor, Bluet, etc.; an old favorite garden annual; excellent for cutting; 2 feet.

	Oz. La	ırge pkt	. Pkt.
Double Blue. Splendid for cutting	\$0.60	\$0.25	\$0.10
Double Rose	60		
Emperor William. Single deep blue	40	.25	.10
Single Pink	.40	.25	.10
Single White	40	.25	.10
Single Choice Mixed		.25	.10
Double Mixed	40	.25	.10

CENTAUREA IMPERIALIS

(Giant Cornflower, or Sweet Sultan)

The finest of all Sweet Sultans for cut flower purposes; gigantic, beautiful, sweet-scented flowers borne on long stems. remain fresh long after being cut. Height, 2 to 3 feet.

		arge pkt	
Deep Rose	. \$1.25	\$0.30	\$0.10
Lavender	. 1.25	.30	.10
Lilac	. 1.25	.30	.10
Brilliant Pink	. 1.25	.30	.10
Purple	. 1.25	.30	.10
White	. 1.25	.30	.10
Choice Mixed	75	.25	.10
Collection. One packet each above 6 colors.			.50
NEW CLASS STATISTICS OF			

NEW GIANT FLOWERED CENTAUREAS

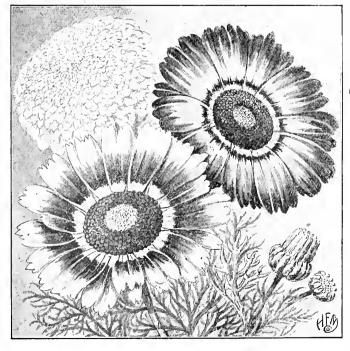
Magnificent flowers produced on long, stout st	tems; excellent
	Large pkt. Pkt.
Bride. Pure white	
Bridegroom. Purplish mauve	50 .10
Honeymoon. Golden yellow	50 .10

WHITE LEAVED CENTAUREA (Dusty Miller)

Grown for their silvery foliage as edging plants, also for vases, hanging baskets, etc. 500 Seeds. Pkt. Candidissima. Broad cut leaves of silvery gray ...\$0.30 Gymnocarpa. Fine cut silvery gray foliage 20 Broad cut leaves of silvery gray...\$0.30 \$0.10

VARIOUS CENTAUREAS

Large pkt. Pkt. Suaveolens (Yellow Sweet Sultan). Showy, bright



Annual Chrysanthemums



Centaurea Cyanus

CERASTIUM (Snow in Summer)

Large pkt. Pkt. Tomentosum. Dwarf, white-leaved edging plant; flowers white; 4 inches......\$0.40 \$0.10 CHEIRANTHUS

Allionii (Siberian Wallflower). A biennial, but best treated as an annual; brilliant orange flowers.....

.10 CHINESE WOOLFLOWER. See Celosia

CHRYSANTHEMUM (Annual Varieties)

Exquisitely colored daisy-like flowers with finely cut foliage; good for cutting; also effective as a border plant.

Helios (Evening Star). Extra large pure golden yellow \$0.10 .10.10

CHRYSANTHEMUM (Perennial Varieties) Early Flowering Double and Semi Double Mixed. A new perennial variety, which can also be treated as an annual, blooming the first year from

seed. The flowers are of many colors and shades... Japanese Hybrids. Large flowers of the finest types; an extra choice mixture; seed sown in spring will .15very free flowering.

Shasta Daisy, "Alaska." Extra large flowers, of pure glistening white, with broad overlapping petals; a beautiful cut flower; 2 feet. .10

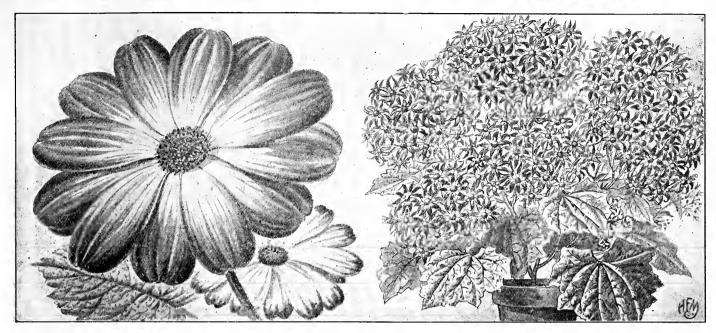
CINERARIA. See next page. CLARKIA

Annuals of easy culture; planted in large groups they are very bright and effective. Queen Mary. Double; rose carmine Single Mixed. All colors.

Double Mixed. All colors. $\cdot 10$.10

2.5

.10



.35

.25

Cineraria, Michell's Grandiflora Prize (large pkt. 85c.)

CINERARIA

CINERARIA MULTIFLORA NANA BERLIN MARKET STRAIN (Novelty)

This new variety is the dwarfest and most compact type; flowers are of good size and produced in great profusion. An excellent pot plant.

Azure Blue \$2.00 \$0.50

Dark Blue \$2.00 .50

Dark Red \$2.00 .50

Mixed Colors \$1.75 .50

WHITE-LEAVED CINERARIA (Dusty Miller)

Maritima Candidissima. Silvery green, Large pkt. Pkt. laciniated foliage; good for edging \$0.25 \$0.10

CLEMATIS

CLEOME (Spider Plant)

COBAEA SCANDENS (Cup and Saucer Vine) Well-known climber of rapid growth, producing large, bell-

COCKSCOMB. See Celosia

COIX LACHRYMAE (Ornamental Grass)

See page 29

COLEUS Large pkt. Pkt.

Large Leaved Hybrids. Popular bedding plants with beautifully colored foliage; easily grown from seed if kept in a warm temperature......\$0.75 \$0.25

Cineraria, Stellata Hybrida (large pkt. 75c.)

COLUMBINE. See Aquilegia CONVOLVULUS (Morning Glory)

MAJOR, OR TALL VARIETIES

MINOR, OR DWARF VARIETIES

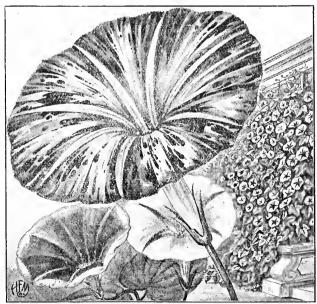
A very showy, hardy annual for flower beds and borders, also rock work; height, 1 foot.

Oz. Pkt.

Tricolor. Blue \$0.20 \$0.10

Mixed Colors20 .10

COREOPSIS. See Calliopsis CORNFLOWER. See Centaurea



Japanese Imperial Morning Glory (Convolvulus)



COSMOS

One of the most beautiful and useful of hardy annuals, producing large showy flowers in great profusion; excellent for cutting. Any garden soil will grow Cosmos to perfection.

DOUBLE EARLY FLOWERING COSMOS

This new early flowering strain will begin blooming in July and continue until frost. The flowers are full, round and double.

				Large pkt.	
Double	Early	Flowering,	Crimson	\$0.75	\$0.25
"	"	"	Pink	75	.25
44	"	66	White		.25
"	6.6	66	Mixed	.60	.25

DOUBLE LATE FLOWERING COSMOS

These, which are of recent introduction, are becoming more popular each season. Excellent for cutting.

Large pkt.	Pkt.
Double Crested Crimson. A large percentage of the flowers have double crowns, giving them an	
the flowers have double crowns, giving them an	
attractive appearance\$0.60	\$0.15
Double Crested Pink Beauty	.15
Double Crested White Queen. Pure white60	.15
Double Crested Mixed	.15

GIANT LATE FLOWERING COSMOS

GIANT EATE TEOMERING COSMOS					
Large flowers of perfect form, on long ste	ems an		g until		
frost; 5 to 6 feet.	_	Large			
	Oz.	$\mathbf{Pkt.}$	$\mathbf{Pkt.}$		
Giant Crimson	\$0.50	\$0.25	\$0.10		
" Pink		.25	.10		
" White	_ ~	.25	.10		
" Mixed		.25	.10		
Giant Lady Lenox. Flowers are of immense size, with wide overlapping petals, making a					
perfectly circular flower; shell pink	.50	.25	.10		
Giant White Lady. A selection from the Lady Lenox described above; pure white	.50	.25	.10		
			•10		
Klondyke. Large golden yellow flowers, borne on long stems	1.25	.30	.10		

COSMOS-Continued

LARGE EARLY FLOWERING COSMOS

This new Early Flowering Strain will begin blooming as early as July and will continue until frost; flowers large, often measuring 3 inches across; 4 feet.

Large

Oz.	Pkt.	Pkt.
Crimson\$0.60	\$0.25	\$0.10
Pink	.25	.10
White	.25	.10
Mixed	.25	.10

COWSLIP. See Primula Veris CUPHEA (Cigar Plant)

Platycentra.	Interesting	bedding	plant;	the	Large	
flower is shap	oed like a holl	ow cigar;	color, sc	arlet	Pkt.	Pkt.
, with a black	and white tip	o; 1 foot.			. \$0.75	\$0.10

CYCLAMEN

Most beautiful winter and spring flowering plants for the window and greenhouse. Not only are the flowers of striking beauty, but the foliage is also highly ornamental.

MICHELL'S GIANT SHOW

Grown for us by a specialist who has received numerous first prizes for the large size and beautiful coloring of the flowers.

	100 Seed	
Bright Red	. \$2.50	\$0.50
Dark Blood Red	1.00	.50
Glory of Wandsbek. Salmon red		.50
Perle of Zehlendorf. Salmon pink	2.50	.50
Pure White		.50
Rose of Marienthal. Bright pink	2.50	.50
White with Carmine Eye	2.50	.50
Mixed. All colors	2.00	.40

CYPERUS (Umbrella Plant)

	Large pkt.	PKt.
Alternifolius.	An elegant plant for growing in water	
or damp places	s; useful as a pot plant\$0.50	\$0.10

MICHELLS FLOWER SEEDS



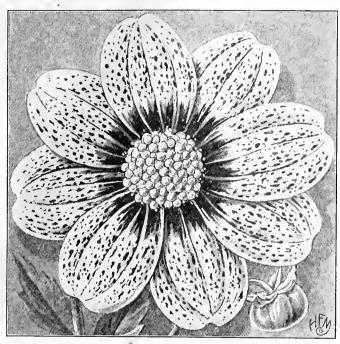
CYPRESS VINE (Ipomoea Quamoclit)

A very graceful twining annual climber, with delicate fernlike foliage; it is of rapid growth, and a beautiful vine for trellises, verandas, etc. Seed should be soaked for a few hours in warm water before sowing; 15 feet.

 Scarlet
 Oz.
 Pkt.
 Pkt.

 White
 .50
 \$0.25
 \$0.10

 Mixed
 .40
 .25
 .10



Dahlia, Giant Perfection. (Large pkt., 30c.)

DAHLIAS (From Seed)

There is no more fascinating flower to raise from seed than the Dahlia, for the result is a series of surprises. Seed should be started in the house from February till May, and the young plants should not be set outdoors until danger from frost is past.

DOUBLE FLOWERING VARIETIES

		Large pkt. Pl	
Cactus. C	Choice mixed, from the best varieties.	\$0.60 \$0.	10
Large Flow	rering (Show Type). Mixed; extra	fine50 .	10

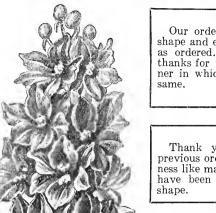
SINGLE FLOWERING VARIETIES

Collarette. Flowers of various colors, with a collar of		
small petals around the centre; novel and beautiful	.40	.10
Giant Perfection. Immense single flowers of various		
colors; many beautifully striped and spotted	.30	.10

DAISY, ENGLISH DOUBLE (Bellis Perennis)

These are favorite perennials; seed should be sown from June 1st till September, transplanted in the fall and protected during the winter, and they will flower the following spring. If sown in the spring they will flower in the autumn; 4 inches.

Large pkt.	Pkt.
Monstrosa, Pink. These surpass all strains of this	
popular plant in strong, robust growth and in the	
abundance of extra large, perfectly double flowers \$0.75	\$0.25
Monstrosa, White	.25
Monstrosa, Mixed	.25
Longfellow. Large double pink flowers	.10
Snowball. Purest white; large and double60	.10
Double Mixed. Extra fine	.10



Pennsburg, Pa.
Our order reached us in A1
shape and every thing was just
as ordered. Please accept our
thanks for the expedient manner in which you handled the
same.

F. W. P.

Bushkill, Pa.
Thank you for filling my previous order in such a business like manner. All articles have been received in good shape.

C. E. S.



Delphinium, Belladonna

DELPHINIUM (Hardy Perennial Larkspur)

One of the finest hardy perennials; very easily grown from seed, blooming the first season if sown early. Very effective in beds, masses or borders. To prolong the season of bloom, cut the old flower stems off after they have faded, and new shoots will produce flower heads successively. Large pkt. Pkt. Belladonna. One of the most continuous blooming

Coeruleus (Blue Lace Flower). An easily grown annual which is becoming very popular; the plant grows about 18 inches high and produces attractive, umbel-shaped flowers of lace-like appearance; the color is a delicate azure blue; blooms from July until frost; excellent for cutting. It is also desirable as a pot plant for winter blooming in greenhouse or conservatory. Per pkt., 15c.; 50c. per large pkt.



Dianthus-Annual Pinks

DIANTHUS (Pinks)

A most satisfactory class of flowers, easily raised from seed; are in constant bloom the entire season; excellent for cutting.

DICTAMNUS

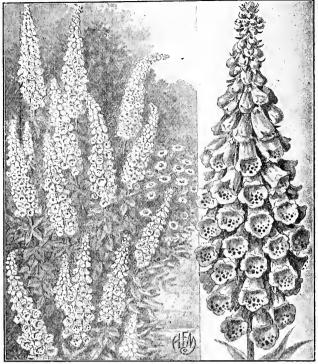
Fraxinella. Showy, bushy plants, $2\frac{1}{2}$ feet high; purple red flowers; June and July.....

.25

(Gas Plant)

.10

.10



Digitalis (Foxglove) Gloxiniaeflora

DIGITALIS (Foxglove)

Handsome ornamental hardy plants of stately growth, succeeding almost anywhere. Produces long spikes of beautiful, tubular-shaped flowers; 4 to 5 feet.

-		9	Oz.	Pkt.	Pkt.
Gloxiniaeflora,	Pink	 .	\$1.00		\$0.10
44	Purple.	 	1.00	.30	.10
44	White.	 .	1.00	.30	.10
4.6	Mixed.	 	75	.25	.10
Grandiflora, Yo	ellow	 	1.25	.30	.10



Dimorphotheca Aurantiaca

DIMORPHOTHECA Large pkt. Pkt.

Aurantiaca (African Orange Daisy). One of the showiest garden annuals; compact, bushy plants with orange-gold daisy-like blooms on long stems; excellent for cutting......\$0.30

Aurantiaca Hybrida. A splendid mixture of colors and shades, from white through various shades of yellow, orange, rose, etc..... .10



Everlastings should be grown in every garden, not only for summer blooming, but also as cut flowers for winter decorations. The flowers should be picked before they expand and hung, with the tops downward, to dry for winter bouquets.

.50

ACROCLINIUM (Everlasting Flower)

Showy, free-flowering annual plants;	excellent for cutting.
1 foot.	Large pkt. Pkt.
Double Rose Pink	\$0.25 \$0.10
Double White	
Double Mixed	
COMPUDENA (CIALA	

GUMPHRENA (Globe Amaranth)

Also called "Bachelor's Buttons;" a showy annual everlasting; then dried are useful for winter bouquets; fine for bedding.

Wilch diled are aberal for willed boaques, in	IIC IOI	Doddin	p.
		Large	
	Oz.	Pkt.	Pkt.
Globosa. White	80.50	\$0.25	\$0.10
Nana Compacta. Dwarf red; 1 foot	.50	.25	.10
Mixed. All colors; 2 feet	.50	.25	.10
DUODANTHE (Everlacting	Flo	TALOM)	

HE (Everlasting Flower) A beautiful annual, for the garden or for pot culture; valuable for dried winter bouquets; 1 foot. Double Pink. Fine for cutting \$0.40 \$0.10 Double White \$40 .10 Mixed Colors..... .10

HELICHRYSUM (Strawflower)

One of the best and most popular of the everlasting flowers; the varieties offered below are all of the Monstrosum type, producing larger and more perfectly double flowers than the old variety. Valuable for cutting or decoration, either when fresh or wartery. Valuable for cutting of decoration, ether in their dried state. 2 feet. Oz. La Buttercup. Canary yellow \$0.90 Fireball. Crimson90 Golden Ball. Golden yellow90 Oz. Large pkt. Pkt. Rose Carmine Salmon Pink
Silver Ball. White Choice Mixed Collection, one packet each six colors, 50c.

XERANTHEMUM (Everlasting Flower)

Large pkt. Pkt. Double Mixed. Showy annual, producing a profusion of flowers; excellent for winter bouquets . . . \$0.25 \$0.10

DOLICHOS (Hyacinth Bean)

Rapid growing annual climber, bearing a profusion of	
like flowers; excellent for arbors, trellises, etc. Oz.	Pkt.
Darkness. A variety from Japan; rapid grower;	
flowers reddish violet\$0.25	\$0.10
Daylight. A pure white variety	.10
Choice Mixed	.10
DDACAENIA	

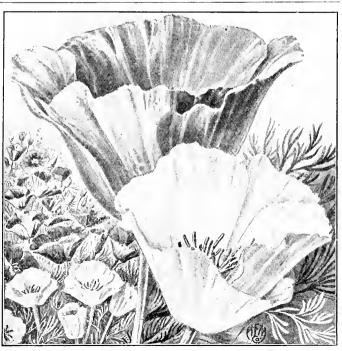
DRACAENA

Ornamental plants for vases or conservatory decoration.

Lobata. One of the quickest growing vines; excellent

for covering trellises, fences, etc.....oz., 30c. ESCHSCHOLTZIA (California Poppy) An elegant hardy annual with fine cut foliage, and large, Poppy-like flowers; in bloom from June until frost; fine for borders or large beds; 1 foot. Large pkt. Pkt. .10 .10 Mandarin. Inner side of petals orange, outer petals .10.25 .10 .10 .10

Collection, one packet each, 8 varieties.....



Eschscholtzia (California Poppy)

.10

100 Seeds Pkt.

Large pkt. Pkt.

EULALIA (Ornamental Grass). See Page 29. **EUPATORIUM**

A fine hardy perennial, which will grow and thrive in almost any situation; blooms the first season from seed if sown early; excellent for cutting; 2 feet. Large pkt. Pkt.

EUPHORBIA

Plants with ornamental foliage; very showy and easily raised from seed; height, 2 feet. Large pkt. Pkt. Heterophylla (Mexican Fire Plant). Glossy green leaves, turning to orange scarlet in mid-season \$0.30 Variegata (Snow on the Mountain). Foliage veined \$0.10 and margined with whiteoz., 50c. .25 .10

FERNS

Adiantum (Maiden Hair). Mixed..... .15 .151.00 .15 We can also furnish all other good varieties of fern spores.

FEVERFEW (Matricaria)

Double White. Hardy annual; free flowering; for bedding or pot culture; showy double white flowers; 18 inchesoz., 60c. .25

FORGET-ME-NOT. See Myosotis FOUR O'CLOCK. See Marvel of Peru FOXGLOVE. See Digitalis



Gaillardia, Grandistora Superba

GAILLARDIA (Blanket Flower) ANNUAL VARIETIES

A splendid garden flower and excellent for cutting. The large highly colored, daisy-like flowers appear uninterruptedly the entire season on stout erect stems often 15 to 18 inches in length.

PERENNIAL VARIETIES

One of the most brilliant of hardy perennials; blooming the Grandiflora Compacta. A compact variety; choice .10 .10 Grandiflora Superba. Mixed colors.....oz., 90c. .25 .10

GENTIANA (Blue Gentian)

Large pkt. Pkt. Acaulis. A dwarf hardy perennial; deep blue flowers; suited to moist, shady situations.....\$0.40 \$0.10

GERANIUM

Apple Scented. Highly esteemed on account of its \$0.50 \$0.10 the largest flowered show varieties..... Large pkt. Pkt.

GERBERA (Transvaal Daisy) Splendid greenhouse perennials with large fine-leaved, daisylike flowers; splendid for pot plants or cutting. 100 Seeds Pkt. Jamesoni Hybrida. These hybrids include a wonder-

ful range of brilliant colors and shades.....\$1.00 \$0.25

GEUM

Atrosanguineum Fl. Pl. A beautiful hardy perennial, bearing large, showy, double, dark crimson flowers all through the summer; fine for bouquets; .\$0.40 \$0.10 Mrs. Bradshaw. Large, double brilliant scarlet flowers; blooms the entire summer..... .15

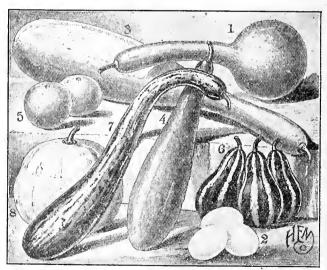
GLOXINIA

Hybrida Grandiflora. An extra fine strain, embracing all the choicest self-colored and tigered and .25 spotted flowers.....

GODETIA (Satin Flower)

Beautiful and easily grown hardy annuals, producing a profusion of flowers of satiny texture.

GOMPHRENA (Globe Amaranth) See Everlastings, page 27.



Ornamental Gourds

GOURD (Ornamental)

Rapid growing, interesting annual climbers, with ornamental foliage and singular shaped fruit; 15 to 20 feet. Large Pkt. ...\$0.40 \$0.10 No. 2... .40 .40 .40 .10 .40

Mixed. In a great variety..... GYNERIUM (Ornamental Grass). See Page 29.

.40

MICHELLS FLOWER SEEDS

GRASSES (Ornamental)

These are very interesting and useful, either for growing in clumps, mixed borders or in shrubberies. Also when dried they are fine for winter bouquets and decorations, for which purpose they should be gathered before fully matured.

ARUNDO (Great Reed)

Large pkt. Pkt. onax. Perennial with drooping green and white striped leaves; excellent for lawn clumps; 9 feet ... \$0.25 \$0.10 **AVENA (Animated Oats)** Sterilis. Long, sensitive awns which expand and contract, causing the seed to rattle in the pod; annual; 18 inches..... .25 .10 **BRIZA** (Quaking Grass) Maxima. Elegant panieles; excellent for bouquets and dried flowers; annual; 1 foot...... .25 .10 BROMUS Brizaeformis. Large drooping panicles, useful for bouquets; 2 feet; annual10 COIX LACHRYMAE (Job's Tears) A strong, broad leaved ornamental grass, with large shining, pearly seeds; annual; 2 to 3 feet. ..oz., 20c. .10 **EULALIA** aponica. A hardy perennial variety, with long graceful leaves; green and white striped; 4 to 5 feet .10 **GYNERIUM** (Pampas Grass) rgenteum. White silvery plumes; perennial; blooms the second season; 8 to 10 feet...... Argenteum. .25 .10

HORDEUM JUBATUM (Squirrel Tail Grass) Bushy panicles; excellent for bouquets; annual; 3 feet .10 **PENNISETUM** Longistylum. Graceful greenish-white plumes, fine for beds or dried bouquets; 2 feet; annual .25 .10 Ruppelianum (Purple Fountain Grass). Excellent

for beds or for dried bouquets; purple plumes; 3 .10 STIPA PENNATA (Feather Grass) Hardy perennial with silvery-white, feathery plumes; flowers the second season; 2 feet...... .10

One packet each of the above 11 varieties of Ornamental Grasses for 75 cents.

GREVILLEA (Silk Oak)

Large pkt. Pkt. Robusta. A beautiful and graceful decorative plant with fern-like foliage; excellent for table decoration; easily raised from seed. Produces good sized plants in a short timeoz., 90c. \$0.30 \$0.10

HELENIUM (Sneeze-Wort)

Autumnale Superbum. Hardy perennial, succeeding in almost any kind of soil; large heads of golden yellow flowers; blooms in late summer and autumn;

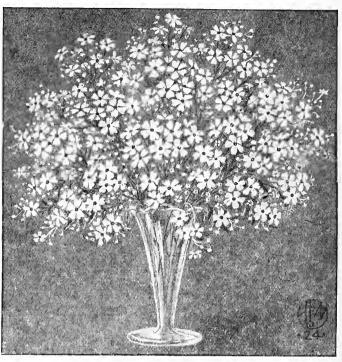
HELIANTHUS. See Sunflower HELICHRYSUM. (Strawflower) See Everlastings, page 27.

HELIOPSIS (Orange Sunflower)

Pitcheriana. A handsome hardy perennial, producing an abundance of deep orange-yellow flowers the .10 entire summer; excellent for cutting; 3 to 4 feet...

TESTIMONIAL

Havre de Grace, Md. I have had grand results from all seed bought from you. I shall always praise your good seeds. R. J.



Gypsophila Elegans, Alba Grandiflora

GYPSOPHILA (Baby's Breath)

Pretty, free-flowering plants of easy culture; excellent for cutting to mix with other flowers; 2 feet.

Oz. Large pkt. Pkt. Elegans Alba Grandiflora. (True Paris Market Strain). A splendid annual variety; delicate sprays of pure white flowers \$0.25 \$0.10 Elegans Carminea. Bright carmine rose. .10 Paniculata. Hardy perennial variety; flowers in graceful sprays of white; will bloom the first season if sown early..... .60\$0.25 .10 Paniculata fl. pl. Perennial, with a profusion of double white flowers......

HELIOTROPE

A well-known and highly prized plant on account of the delightful fragrance of the flowers; seed started indoors in the spring will make fine plants for summer blooming; can also be sown outdoors in May; excellent for pots, or for bedding; 18 inches.

Lemoine's Giant. Produces a profusion of flowers nearly double the size of the old sort; mixed colors . . \$0.50 \$0.15Regal. Of dwarf compact growth; immense flowers.

all shades..... Choice Mixed. Of many varieties..... HESPERIS. See Sweet Rocket.

HIBISCUS (Marshmallow)

Showy ornamental perennial plants for mixed beds or shrubbery borders, with large and beautifully colored flowers.

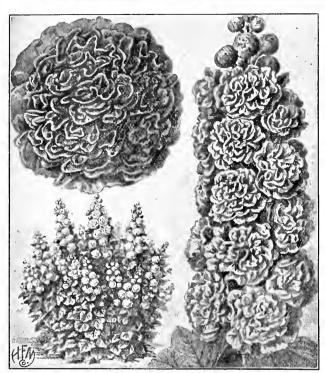
	ge pkt	. Pkt.
Crimson Eye. Flowers large; color, pure white with	_	
velvety crimson center; 4 feet\$	0.25	\$0.10
Moscheutos. Large, rosy pink flowers	.30	.10
New Giant (Mallow Marvel). A greatly improved		
form; gigantic single flowers; many shades of red,		
pink, purple and white in mixture	.25	.15
		_

.75

.20

.15

.10



Hollyhock, Chater's Double

HOLLYHOCK

A popular and desirable hardy perennial plant, succeeding best in rich, well-drained soil; excellent for planting among shrubbery or forming a background for other flowers; seed sown any time before midsummer will produce fine plants for blooming the following summer; 6 to 7 feet.

Large

Tollowing Summer, 0 to 1 feet.		Large	
-	Oz.	$\mathbf{P}\mathbf{k}\mathbf{t}$.	Pkt.
Allegheny. Semi-double; mammoth flowers,			
edges fringed and laciniated; mixed		\$0.40	\$0.10
Chater's Double Maroon	2.00	.50	.10
Chater's Double Pink	2.00	.50	.10
Chater's Double Red	2.00	.50	.10
Chater's Double Salmon	2.00	.50	.10
Chater's Double White	2.00	.50	.10
Chater's Double Yellow	2.00	.50	.10
Chater's Double Mixed	1.50	.40	.10
Double Newport Pink. Pure pink	2.25	.50	.10
Collection, one packet each, 6 colors			.50
Single Mixed	.90	.30	.10

ANNUAL EVER-BLOOMING HOLLYHOCK

While these are also hardy perennial varieties, if seed is sown in the house in March or April they will bloom the first season.

in the house in the second of the print the grant of the second of					
Double Ever-blooming Mixed. Colors range					
from white to deep black, yellow, pink, red	Large pkt				
and purpleoz., \$1.50	\$0.40	\$0.15			
Single Ever-blooming Mixed oz., .90	.30	.10			
HONESTY (Lunaria)	Large pkt.	Pkt.			
Biennis Alba. Hardy biennial, admired for its silvery					

beautiful and curious, 2 feet.....\$0.30 \$0.10 **HORDEUM (Ornamental Grass)** See page 29.

HUMULUS (Japanese Hop)

seed pods, which are used for ornamental purposes;

mottled and splashed silvery white, light

and dark green.....

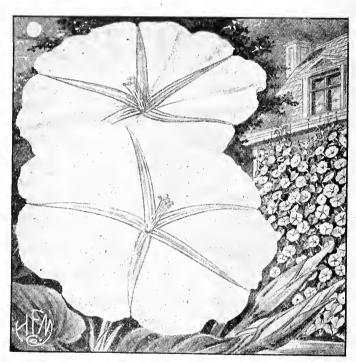
.60

.25

.10

HUNNEMANNIA (Giant Yellow Tulip Poppy)

HYACINTH BEAN. See Dolichos IBERIS. See Candytuft ICE PLANT. See Mesembryanthemum



Ipomoea (Moon Flower). (Large pkt. 25c.)

IPOMOEA Larg	ge pkt.	Pkt.
Heavenly Blue (Rubra Coerulea). Beautiful, large.		
sky-blue flowers	0.30	\$0.10
Noctifiora (Moon Flower). At night and during dull days the plants are covered with an abundance of		70.20
large, pure white fragrant flowers oz., 50c.	.25	.10
Quamoclit Hybrida (Cardinal Climber). Figure car-		
dinal red	.60	.15
Setosa (Brazilian Morning Glory). Large leaves and	.00	.10
bright rose-colored flowers oz 40c	.25	.10
Mixed. Various colors	.25	.10
IRIS (Flowering Flag)		
Kaempferi (Japanese Iris). Hardy perennial; very		
showy; blooms the second year from seed; mixed		
colors; 3 feet	.30	.10
JOB'S TEARS (See Grasses, Page 2	29)	
KENILWORTH IVY (Linaria Cymb	alari	a)
A charming, neat trailing plant, for baskets, vases,		,
pots and rock work; flowers violet	.60	.10

KOCHIA (Summer Cypress or Mexican Fire Bush) Large pkt. Pkt.

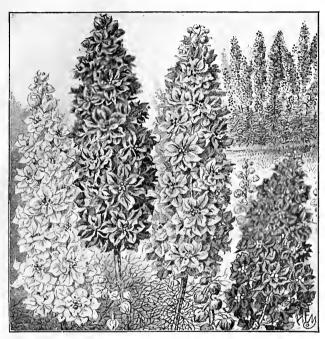
Childsii. An improved strain; easily grown annual, which grows into a cypress-like hedge, with feathery green foliage; at the approach of autumn the foliage turns to a deep red color; 2 to 3 feet

oz., 40c.\$0.25 \$0.10

KUDZU VINE. See Pueraria LADY SLIPPER. See Balsam

LANTANA

Most desirable bedding plant; seeds are best germinated in a greenhouse from January till March; flowers resemble Verbenas; plants grow erect and remain in bloom all summer.



Larkspur, Double Tall Stock Flowered

LARKSPUR (Annual)

Of easy culture; seed sown early in spring will produce blooming plants by July; fern-like foliage and slender spikes with double rosette flowers; fine for cutting or garden decoration.

DWARF DOUBLE ROCKET

Mixed. A compact bushy plant with several Oz. Pkt. Pkt. spikes of double flowers; height, 1 foot. . . . \$0.40 \$0.25 \$0.10

GIANT HYACINTH FLOWERED

The flowers are large, very double and borne on spikes resembling a double Hyacinth; 1½ feet. Large Pkt. Pkt. Mixed Colors......\$0.75 \$0.25 \$0.10

TALL DOUBLE STOCK FLOWERED

Plants branch freely, bearing long spikes of beautiful double flowers; height, 21/2 feet. Large
 Dark Blue
 50.75

 Lilac
 .75

 Lustrous Carmine
 .75

 Shell Pink
 .75

 Star Place
 .75
 \$0.10 .10 10 .10 Sky Blue..... .10White . . .10 Mixed. All colors..... Collection, one packet each of the above 6 colors, 50c. Exquisite (New). An extra fine variety of this popular annual; color, soft pink... 40 25

For Perennial Larkspur, see Delphinium, page 25.

LATHYRUS LATIFOLIUS

(Everlasting or Perennial Pea) Showy hardy perennial climber; fine for covering walls, stumps, fences, etc. Free flowering, resembling Sweet Peas in growth, foliage and flowers: excellent for cutting: 6 to 8 feet.

growin, romage and nowers, excellent for			
	Oz. La	rge pkt	. Pkt.
Crimson. Brilliant			
Pink Beauty. Bright rosy-pink		.30	.10
White		.30	.10
Choice Mixed. All colors	75	.25	.10

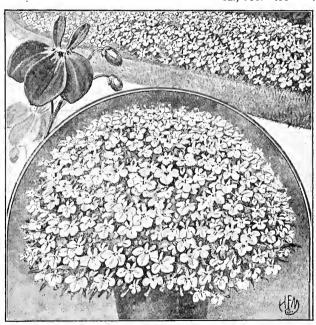
LAVENDER (Lavendula Vera)
Well-known, hardy perennial, bearing long spikes of
fragrant blue flowers; excellent for the mixed border; 18 inches......oz., 90c. .30 .10

LEPTOSYNE

Iaritima. Free flowering hardy annual; large, single yellow flowers, borne on long stems; excellent for cutting; 2 feet...... Maritima. .10

LINARIA CYMBALARIA. See Kenilworth Ivy LINUM (Scarlet Flax)

Grandiflorum Rubrum. Ideal for bedding; dwarf .25.10 **Perenne.** Bright blue flowers; perennial; $1\frac{1}{2}$ feet oz., 90c. .30 .10



Lobelia, Crystal Palace Compacta (Large pkt. 60c.)

LOBELIA

No garden is complete without an edging of blue Lobelia, and for a long season of bloom there is nothing that can take its place; also desirable for pots, hanging baskets, etc. Large pkt. Pkt. Barnard's Perpetual. Deep blue with white eye; trailing; an excellent sort.....\$0.50 \$0.10 Crystal Palace Compacta. Very compact; deep blue; the best for edging10 .60Crystal Palace Speciosa. Of trailing habit; deep ultramarine blue; fine for vases..... .30 .10 Emperor William. Flowers sky blue; plants compact .50 .10 Gracilis. Of trailing habit, light blue..... .10 Sapphire. A beautiful trailing variety, of strong growth; the flowers are unusually large; color, deep blue with large clearly defined white eye...... .75.20 White Gem. Very compact; snow-white flowers... .50 .10 Mixed. All colors..... .40 .10 Cardinalis (Cardinal Flower). Hardy perennial, with long spikes of cardinal red flowers. Will thrive well in shady situations..... .75.10



Lupinus

· LUPINUS (Lupin) ANNUAL VARIETIES

Very popular, free flowering, easily grown plants of branching habit, with long spikes of pea-shaped flowers for most of their length; excellent for cutting; will bloom in six weeks after

Sowing, Zieet.		Large	
		Pkt.	
Rich Blue	.\$0.40	\$0.25	\$0.10
Pink			.10
Scarlet, White Tipped	40	.25	.10
Sky Blue	40	.25	.10
White	40	.25	.10
Yellow	50	.25	.10
Mixed. All colors	40	.25	.10

PERENNIAL VARIETIES

A beautiful perennial of easy culture, with graceful spike's of pea-shaped flowers; excellent for cutting; May and June; LYCHNIS

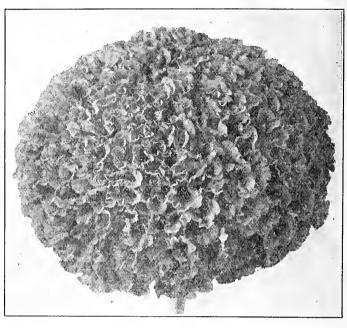
One of the finest hardy perennials; remarkable for the brilliancy of their flowers; of easy culture; excellent for massing in large beds or borders. Large pkt. Pkt.

Haageana. Brilliant, large, orange, scarlet, pink and .10

TESTIMONIAL

me your latest catalog.

Spokane, Wash. I got your address through a Spokane flower grower; he says that he gets all his seeds from you and gets good results; he says that the seeds are all bound to grow. Kindly send



Marigold, Orange Prince

MARIGOLD (Tagetes)

These are old favorite free flowering annuals, with rich and showy flowers, blooming all summer. The Tall African varieties are well adapted for large beds or mixed borders, while the Dwarf French varieties are better suited for bedding purposes.

AFRICAN VARIETIES

Tall growth, from $2\frac{1}{2}$ to 3 feet high.	Large	nkt.	Pkt.
El Dorado. All shades of yellowoz.,	75c.\$(0.25	\$0.10
Lemon Queen. Soft lemon yellowoz., 9	90c.	.25	.10
Orange Beauty. Large single flowers, the petals which are beautifully frilledoz., S	s of 90c.	.25	.10
Orange Prince. Large flowers, of a deep gold orange color; very showy	den	.25	.10
Pride of the Garden. Dense bushes, 18 inches hi	gh:	0."	
large, golden yellow flowersoz., 7	roc.	.25	.10
Large African. Tall double mixedoz., &		.25	.10
Imported Collection, 6 Varieties			.40
FRENCH VARIETIES			
Dwarf Gold Striped. Double; brownish red, strip golden yellow; 1 foot	75c.	.25	.10
Legion of Honor (Little Brownie). Single flower golden yellow with a large spot of crimson yellow	ers; zet.:		
9 inches; early flowering	Юc.	.25	.10
Dwarf French Mixed. All colors; 1 footoz., 5	б0с.	.25	.10
Imported Collection, 6 Varieties			.40
MARVEL OF PERU. See Next	Page	e	
MATRICARIA. See Feverfe	_		
MATTHIOLA			

Bicornis (Evening Scented Stock). A desirable annual, on account of its delightful fragrance during the

MAURANDIA

'A climber of rapid growth, for baskets, vases and trellises; produces tube-shaped flowers; 10 feet. Large pkt. Pkt. Barclayana. Purple. \$0.75 \$0.10

MESEMBRYANTHEMUM

Dwarf trailing annuals for rockeries, edgings and vases. Crystallinum (Ice Plant). Singular icy foliage; flowers white..... .10

.10

MIGHELES FLOWER SEEDS





Marvel of Peru (Four O'clock)

MARVEL OF PERU (Four O'clock)

Choice Mixed. Bushy plants of easy culture, producing hundreds of flowers during the entire summer; very showy in the garden; 2 feet.........\$0.25 \$0.10



MIGNONETTE

Valuable for cutting on account of its fragrance; sow in succession during the whole summer; can also be grown in pots for winter and early spring flowering. Lg. pkt. Pkt.

Allen's Defiance. Spikes invariably attain a height of 12 to 15 inches; fragrant. oz., 60c.\$0.25 \$0.10 Goliath. Giant spikes of red flowers.oz., \$1.50 Machet. Large reddish tinted, .10 sweet scented flowers. oz., 75c. .25.10Michell'sColossal. Foliage, stalks and flowers are very robust. The flower-spikes often average 18 to 24 inches; extremely fragrant. .15 New York Mar-ket. A selected .60 .15

An extra fine

Sweet Scented.

.40

.10

white sort.

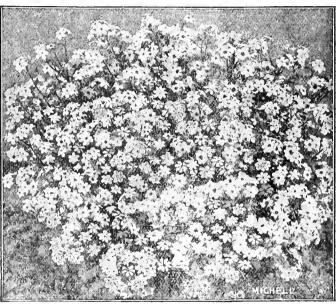
MIMOSA. See Sensitive Plant MIMULUS

Showy, profuse flowering plants; fine for greenhouse or moist, shady situations; half hardy perennials, blooming the first year if sown early.

Large pkt. Pkt. Tigrinus (Monkey Flower). Fine mixed tigered and spotted varieties; 1 foot \$0.50 \$0.10

MOMORDICA. See Balsam Apple
MONKSHOOD. See Aconitum
MOONFLOWER. See Ipomoea
MORNING GLORY. See Convolvulus
MOURNING BRIDE. See Scabiosa
MUSA ENSETE (Abyssinian Banana)

A handsome tropical plant for planting individually or for the center of beds; foliage broad and massive and very effective; 10 to 15 feet. Seeds should be started in hotbed or bottom heat in greenhouse. Per 10 seeds, 35c.; 75c. per 25 seeds.



Myosotis—Alpestris Victoria

MYOSOTIS (Forget-Me-Not)

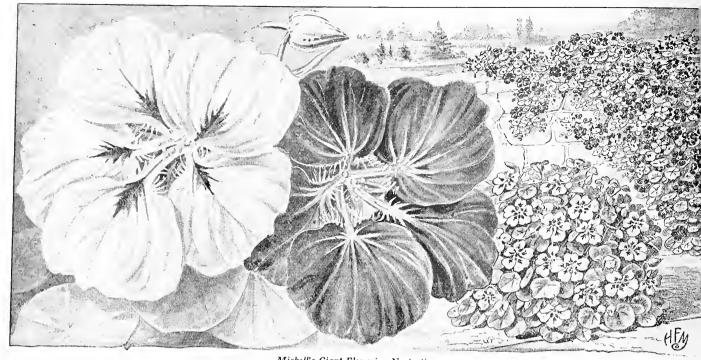
Beautiful, half hardy perennials, blooming the first year from seed; succeeding best in moist, shady situations. Sown in the spring they will flower in the fall; if wanted for early spring flowering seed should be sown in frames in July or August.

Large pkt. Pkt.

Alpestris Victoria. Of bushy habit; bearing large \$0.40 bright blue flowers; very fine; 6 inches \$0.10 Dissitiflora. Of dwarf, compact habit; deep green foliage, and attractive deep blue flowers. .10 .40 .10 .40 .10 Grandiflora Rosea. Large pink flowers; 8 inches. .40.10 Michell's Winter Flowering. The finest variety for forcing; long stems, deep blue flowers .15 Palustris. The tru flowers; 8 inches The true Forget-Me-Not; bright blue .60 10 Palustris Sempersorens. Dwarf; blooms the entire .60 season; deep blue10.05

See pages 8 to 12 for Novelties and Specialties in Flower Seeds.

MICHELL'S GIANT FLOWERING NASTURTIUMS



Michell's Giant Flowering Nasturtiums

Nasturtiums are among the best known and most popular of hardy annuals, and within the past few years have been greatly improved in size, as well as in colors and markings. Easily grown, and producing a great profusion of brightly colored flowers from within a few weeks after they are sown until they are killed by frost; they succeed best in rather light, well-drained soil.

DWARF OR BEDDING (Tom Thumb)

Of dwarf, compact growth; excellent for borders or for bedding, forming plants about 1 foot high by 1 foot across.

amb, forming plants about 1 foot high by 1 fo	ot aci	022.	
	1/4 lb.	Oz.	Pkt.
Aurora. Rich yellow, veined carmine	0 60	\$0.20	\$0.05
Beauty. Yellow, with scarlet veinings	.60	.20	.05
Bronze. Burnished bronze color	.60	.20	.05
Chameleon. Produces various colors and	.00	.20	.05
markings on the same plant	.60	.20	0.5
Cloth of Cold Pright golden wellow learner	.00	.20	.05
Cloth of Gold. Bright golden yellow leaves	00	0.0	
and brilliant scarlet flowers.	.60	.20	.05
Crystal Palace Gem. Sulphur yellow, spot-			
ted maroon	.60	.20	.05
David Burpee Spencer. Compact plants			
with emerald green leaves, which are wavy			
and ruffled; flowers deep scarlet	.60	.20	.10
Empress of India. A splendid variety, with			
dark leaves and crimson flowers	.60	.20	.05
Golden King. Dark foliage; rich, golden			
yellow flowers	.60	.20	.05
Golden Queen. Foliage and flowers golden			
yellow. King of Tom Thumbs. Dark green foliage;	.60	.20	.05
King of Tom Thumbs. Dark green foliage:			
scarlet flowers	.60	.20	.05
King Theodore. Dark foliage; flowers crim-	•00	0	•00
son maroon	.60	.20	.05
Lady Bird. Rich orange yellow, with a red	.00	.20	.00
blotch at the base of the petals	.60	.20	.05
Pearl. Creamy white	.60	.20	.05
Pink. Soft rose color	.60	.20	.05
Prince Henry Creem enotted and tinned red			
Prince Henry. Cream, spotted and tipped red.	.60	.20	.05
Queen of Tom Thumbs, Crimson. Silver			
variegated foliage and rich, bright crimson	20	0.0	4.0
flowers	.60	.20	.10
Scarlet. Brilliant	.60	.20	.05
Spotted. Rich yellow, spotted crimson	.60	.20	.05
Vesuvius. Salmon pink; dark leaved	.60	.20	.05
Yellow. Bright shade	.60	.20	.05

Collection. One packet each 12 dwarf varieties 50c.

		1/4 lb.	Oz.	Pkt.
C	hoice Mixed, Dwarf. Comprising a large			
	variety of brilliant colors. Lb., \$1.25	0.45	\$0.15	\$0.05
N	lichell's Giant Flowering Mixed Dwarf.			
	This is one of the finest mixtures, composed			
	of the largest and best named varieties, and			
	cannot be surpassed for brilliancy of color.			
	Per lb., \$2.00	.60	.25	.10
Q	ueen of Tom Thumbs, Mixed. Silver			
	variegated foliage; flowers in a great vari-			
	ety of colors	.75	.20	.10

LOBB'S CLIMBING NASTURTIUMS

(Tropaeolum Lobbianum)

These are exceedingly free flowering and of the most brilliant colors, with neat dark green foliage; excellent for window boxes, vases, hanging baskets and rockeries, also for greenhouses or conservatory during the winter; 8 to 10 feet.

Choice Mixed.	Lobb's varieties, all colors	1/4 lb.	Oz.	Pkt.
Per lb., \$1.25.		\$0.50	\$0.15	\$0.05

For Tall or Climbing Nasturtiums, see next page.

MICHELL'S PRACTICAL GARDEN POINTERS

Is the title of a publication we have compiled that contains valuable information on things floricultural, horticultural and agricultural. There is a free copy for you. Just say, "Send me 'Practical Garden Pointers.' " A post card will do.

MICHELES FLOWER SEEDS

518 PHILA.

MICHELL'S GIANT FLOWERING NASTURTIUMS—Continued

TALL OR CLIMBING

For covering trellises, fences, arbors, piazzas, trailing from vases, over rockwork, etc., nothing can equal the gorgeous effect produced by their great quantities of bloom from early summer until frost; the seed pods can be gathered while green and tender for pickling. Height, 8 to 10 feet.

	$\frac{1}{4}$ lb.	Oz.	Pkt.
Chameleon. Produces different colored flow-	-		
ers on the same plant	\$0.50	\$0.15	\$0.05
Crimson. Rich and velvety		.15	.05
Hemisphaericum. Orange-salmon and scar-	-		
let	.50	.15	.05
King Theodore. Dark foliage; flowers crim-			
son maroon	.50	.15	.05
Orange. A deep shade	.50	.15	.05
Pearl. Creamy white	.50	.15	.05
Pink. Soft rose color	.50	.15	.05
Prince Henry. Cream, spotted and tipped red	.50	.15	.05
Scarlet. Very bright	.50	.15	.05
Vesuvius. Salmon pink	.50	.15	.05
Yellow	.50	.15	.05
Choice Mixed, Tall or Climbing. Lb., \$1.25	.40	.15	.05
Michell's Giant Flowering Mixed Tall.			
This mixture cannot be excelled for large			
size and beautiful colors of the flowers. Com-			
posed of the largest and finest varieties. Per		.25	10
lb., \$2.00	.60	.25	.10

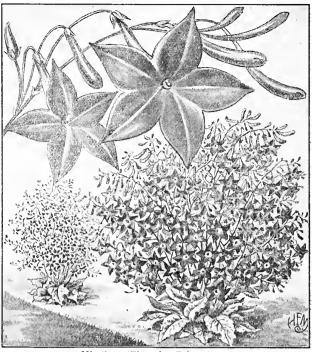
Collection. One packet each, 12 tall varieties, 50c.

NEMESIA

Large pkt. Pkt.

Strumosa Suttoni. A splendid annual, with large flowers varying in color from creamy white to deep orange and carmine; fine for bedding; 18 inches....\$0.60 \$0.15





Nicotiana (Flowering Tobacco)

NICOTIANA (Flowering Tobacco)

Extremely showy annual plants, giving a continuous display of brilliant flowers through the summer and autumn; plants are of branching habit; 2 to 3 feet high.

Large pkt. Pkt. Affinis. Fragrant, tubular, pure white flowers.....\$0.25 \$0.10

NIEREMBERGIA

Frutescens. Half hardy perennial; excellent for greenhouse, baskets, vases or bedding out; flowers white, tinted with lilac; 1 foot...........\$0.40 \$0.10

NIGELLA (Love in a Mist)

Lovely garden annuals, with finely cut green foliage, and curious looking flowers and seed pods.

Large pkt. Pkt.

.10

Damascena. Blue and white mixed; double; 1 foot \$0.25 \$0.10

ORNAMENTAL GRASSES. See page 29
PAPAVER. See Poppy
PARIS DAISY. See Chrysanthemum
PELARGONIUM. See Geranium
PENNISETUM (Ornamental Grass). See page 29

Testimonial

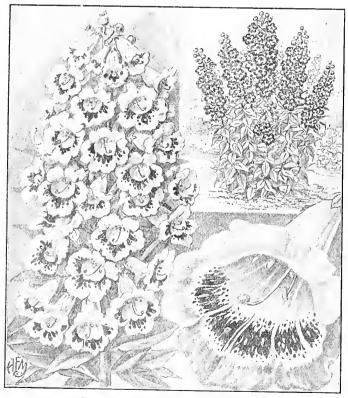
Brooklyn, Conn. I bought my seeds from you last year and found them good in every way, so have advised my friends to buy of you.

MICHELL'S GIANT PANSIES

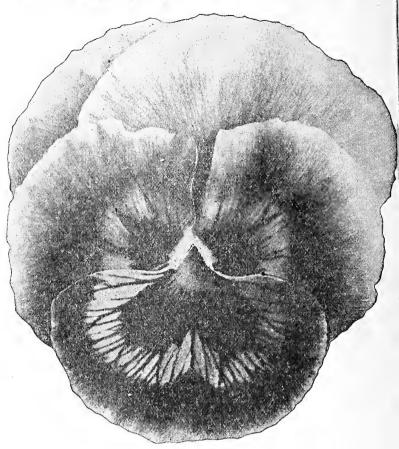
Strictly considered, this is a biennial, but the fact that it flowers the first season from seed recommends it for an annual. There are actually three seasons in which pansies can be planted. If started in the house from February till April pansies will begin to bloom from July on; sown outdoors in May beautiful flowers are produced in the fall; sown in frames during July and August and transplanted later gives us the main crop of flowers the following spring.

PANSIES IN MINTIDES

THISTES IN MINTER	LS	
Large	e pkt.	Pkt.
Michell's Giant Exhibition. A blending		
of our own containing only the very		
choicest secured from the leading Pansy		
specialists; it can be relied upon to pro-		
duce flowers of immense size, very heavy		
texture and of the most brilliant colors.		
Per oz., \$10.00; \$3.00 per ¼ oz.; per		
½ oz., \$1.75	0.75	\$0.25
Giant Trimardeau. Very large flower-		
ing; all colors, mixed 1/4 oz., \$1.00	.40	.10
Mad. Perret. Early flowering; fragrant;		
especially rich in red shades, ¼ oz., \$1.25	.75	.25
	.10	.49
Masterpiece (Frilled Pansy). Beautiful		
rich colors; petals curled or waved, 1/8		
oz., \$1.00	.75	.25
Odier or Blotched. Beautiful strain, 1/4		
oz., \$1.25	.75	.15
Parisian Large Stained. Choicest colors,		
½ oz., \$1.25	.60	.15
	•00	.13
Triumph of the Giants Mixed. Im-		
mense flowers of great brilliancy and		
richness of colors, including many new		
and rare shades. Per oz., \$11.00; \$3.25	0-	
per ½ oz.; per ½ oz., \$2.00	.85	.50
Finest English Mixedoz., \$2.25	.40	.10
Very Fine Mixed	.30	.10
φ1.00	•••	•=0



Pentstemon, New Hybrids (Large pkt. 50c.)



Michell's Giant Exhibition Pansu

GIANT PANSIES (Separate Colors)

A strain secured from the leading pansy specialists, and not to be compared with the ordinary Giant Trimardeau, as the flowers are of much heavier texture. Large Giant Prize, Azure Blue. Violet blue. \$1.00 Giant Prize, Black Blue. Dark velvety . 1.00 Giant Prize. Emperor William. Ultra-marine blue. Pkt. \$0.50 \$0.15 Giant Prize, Hortensia Red. Scarlet... 1.00
Giant Prize, King of the Blacks... 1.00
Giant Prize, Lord Beaconsfield. Violet. 1.00
Giant Prize, Peacock. Upper petals blue, lower petals deep claret with white margin. 1.00
Giant Prize, Snow Queen. Pure white. 1.00
Giant Prize, Striped and Mottled... 1.00
Giant Prize, White, with dark eye... 1.00
Giant Prize, Pure Yellow... 1.00
Giant Prize, Yellow, with dark eye... 1.00
Giant Prize, Yellow, with dark eye... 1.00
Giant Prize, Orange King (New). Flowers large; lower petals orange; upper petals are .50 .15.50.50 .15 .50 .15.50 .15 .15 large; lower petals orange; upper petals are of a distinct creamy tint. 3 pkts., 75c.... .30

SPECIAL OFFER.-We will send 6 packets of any of the above varieties of Giant Pansies (not including Orange King) for 75c.; or 12 pkts. for \$1.40.

PENTSTEMON (Beard Tongue)

A beautiful perennial plant producing freely large spikes of handsome tubular flowers in almost every shade and color. Large pkt. Pkt.

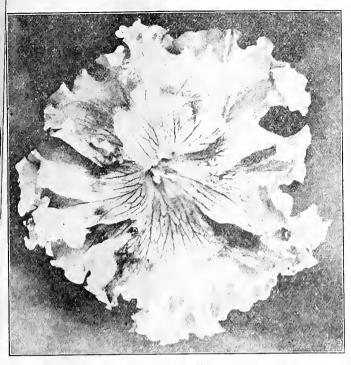
Sensation. Plants producing large spikes of gloxinialike flowers of the most brilliant and varied colors; will bloom the first season if sown early; 2 feet; requires protection.

New Hybrids, Mixed. Produces large spikes of \$0.50

handsome flowers; 3 feet.....

\$0.15

MICHELL'S PETUNIAS



Petunia, California Giants

There is no more deserving flower than the Petunia. Quick to bloom in the early summer, it gives us a bright display long after the first frost has wrought its damage. Seeds must be carefully handled, as they are extremely fine, but the plants are of easiest culture. We call especial attention to our Large Flowering strains, which for size and brilliancy of coloring cannot be surpassed.

SINGLE FLOWERED PETUNI	AS	
Large	e Pkt	. Pkt.
California Giants. One of the largest varieties; bright and desirable colors; strong robust plants\$().75	\$0.25
Diener's Ruffled Monsters. A new variety and a greatly improved type, with extra large flowers in a wide range of colors; flowers are beautifully ruffled and fringed.	.85	.25
Dwarf Inimitable. Of dwarf, compact habit; profuse bloomer; flowers striped and blotched	.50	.10
Monstrosus (Michell's). Extra large flowers, many of which are elegantly fringed; the colorings, markings, veinings, etc., are superb	.85	.25
Rosy Morn. Dwarf, bushy plants, bearing in great profusion brilliant rose-colored flowers with a white throat; excellent for pot culture.	.50	.15
Rose of Heaven. Rich, brilliant rose color; a very effective variety	.60	.15
Ruffled Giants. Immense size flowers, exquisitely ruffled and frilled at edges	.75	.25
Snowball. A fine, compact sort, producing a profusion of satiny white flowers	.60	.10
Star (Howard's). A beautiful variety; produces a profusion of crimson-maroon flowers, with a distinct five-pointed white star	.60	.15
Choice Mixed. Striped and blotchedoz., \$1.50	.40	.10
Fine Mixed. All colors	.25	.10
Imported Collection. Single fringed. 6 colors		.75
Ask for Cultural Leaflet No. 205 on the growing of	f Pet	unias.

BALCONY PETUNIAS

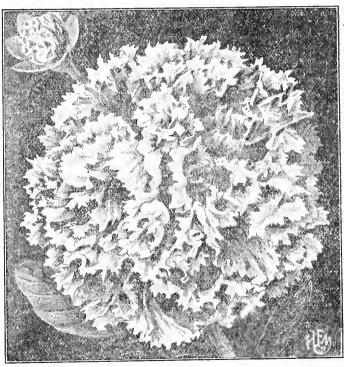
A splendid free flowering type for window or porch boxes, vases, etc.; also valuable for bedding, giving a display of flowers throughout the entire summer, until frost; the flowers are large, averaging 3 inches across.

	La	rge pkt.	. Pkt.
Blue. Rich indigo blue		\$0.75	\$0.15
Crimson. Rich velvety crimson		.60	.15
Rose. Brilliant rose pink		.60	.15
White. Pure white		.60	.15
Mixed Colors		.60	.15

PORTLAND PETUNIAS

For planting of veranda boxes and for choice potted plants or for bedding out these Petunias in select colors, never fail to

Lar	ge pkt	. Pkt.
Elks' Pride. Large size; deep royal purple	\$1.25	\$0.40
Irvington Beauty. Flowers fringed; peach blossom color, with white throat	1.25	.40
Pride of Portland. Large, deep rose pink fringed flowers	1.25	.40
Scarlet Beauty. Flowers fringed; color, shading from cherry red to deep maroon	1.25	.40
White Beauty. Pure white flowers with finely fringed edges	1.25	.40
Mixed Colors	1.25	.40

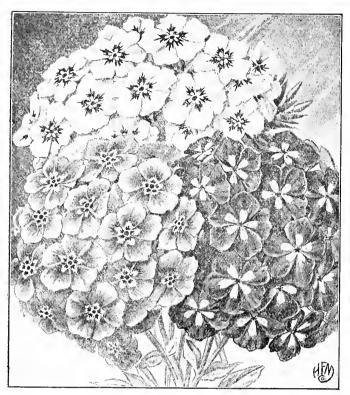


Giant Flowering, Double Petunia

DOUBLE FLOWERING PETUNIAS

As the seed of the double varieties is obtained by hybridization, it will not produce all double flowers, but the singles will be unusually fine. The weaker seedlings should receive great care, as they produce the finest double flowers.

Double Fringed White. Extra large, pure white fringed flowers. Per 500 seeds, \$2.00.....\$0.50



Phlox Drummondii, Grandistora

PHLOX DRUMMONDII

One of our finest hardy annuals, and should occupy a prominent place in every garden; it is easy to grow and unequaled for its profusion of bloom, which will continue until frost; for bedding or massing nothing can surpass them for their brilliancy and richness of color. They produce immense trusses of large brilliant flowers of numberless hues.

DWARF OR COMPACT VARIETIES

The plants grow very symmetrical, in neat little bushes, 6 to 8 inches high, and are covered with flowers during the whole summer and fall. Excellent for hedding or edging

mer and ran. Bacenent for bedding or edging.		
Larg	e pkt	. Pkt.
Cecily, Mixed. Large flowering, dwarf compact		
variety, of many beautiful colors and shades \$	0.50	\$0.10
Fireball. Brilliant scarlet	.40	.10
Pink	.40	.10
Snowball. Pure white	.40	.10
Choice Mixed	.40	.10

GRANDIFLORA VARIETIES

An improved strain with large heads of bloom, a		
individual flowers; 12 to 15 inches.	rge pkt	Pkt.
Alba. Pure white	.\$0.40	\$0.10
Coccinea. Brilliant scarlet	40	.10
Pink	40	.10
Stellata Splendens. Scarlet with white eye	40	.10
Choice Mixed. All colorsoz., \$1.2	5 .30	.10
Imported Collection. 12 varieties		.75

PHYSALIS (Chinese Lantern Plant)

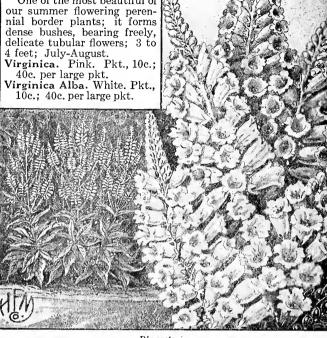
(/	
Francheti. Dense bushes about 2 feet high, producing freely, bright orange-scarlet, lantern-like		
fruits; perennial	.30	.10

See pages 8 to 12 for Novelties and Specialties in Flower Seeds.

PHYSOSTEGIA

(False Dragon Head)

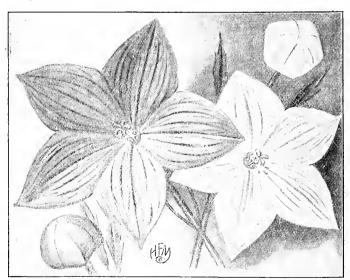
One of the most beautiful of



Physostegia

PINKS (See Carnations and Dianthus) **POLYANTHUS** (Primula Elatior)

Beautiful spring-flowering hardy perennials, either for pot

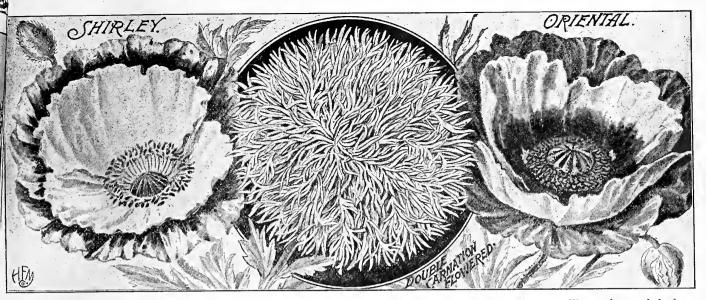


Platycodon, Grandiflorum

PLATYCODON (Chinese Bell Flower)

One of the best hardy perennials, bearing a profusion of large, bell-shaped flowers the whole season. Excellent for planting in borders or among shrubbery; 2 to 3 feet. Large pkt. Pkt. Grandiflorum Blue.....\$0.40 \$0.10

MICHELL'S POPPIES



One of our favorite and most popular flowers, producing, during the blooming period, a profusion of brilliant colors and shades. Seeds should be sown as early in the spring as possible, where they are to remain, as they do not stand transplanting. Sow very thinly and barely cover the seed, press down firmly and they will come up in a few days. Several sowings may be made at intervals to have a succession of bloom.

SINGLE ANNUAL POPPIES

Large Oz. Pkt. Pkt. King Edward. A large flowering variety, growing about 2½ feet high; deep scarlet, shaded crimson, with dark blotch at base...\$0.40 \$0.25 Michell's Shirley. An improved strain of this lovely race of poppies varying in color from pure white and delicate pink to rosy carmine and deep crimson, in mixture. A bed of these poppies produces a gorgeous effect. If cut in the bud state and the stems put in water the flowers will open as well as on the .40 .25 .10 plant..... Miss Sherwood. Satiny white with upper .40 .25.10 half of corolla chamois rose..... Tulip (Papaver Glaucum). One of the most brilliant varieties; resembles a large tulip; color a dazzling scarlet; 1 foot..... .10 .60 .25 Umbrosum. Rich vermilion with a deep shining black spot on each petal; 2 feet... .25 .10 .40 .40 Collection. One packet each above 5 varieties

FLANDERS POPPY

"In Flanders fields the poppies blow Between the crosses row on row."

This is the well known poppy of flanders field so often mentioned in songs and stories of the great war. Medium size bright scarlet flowers. Very showy when planted in masses. Pkt., 10c.; 25c. per large pkt.; oz., 40c.

AMERICAN LEGION POPPY

This new single poppy of the Shirley type is a dazzling orange-scarlet of immense size, borne on long, stout stems. The plants are of erect, robust growth and the flowers are good keepers when cut in bud. Pkt., 15c.; 30c. per large pkt.; oz., 90c.

Testimonial

Beverly, Mass.

We have been so pleased with everything you have sent us. The Strawflowers and Cosmos raised from your seeds were wonderful.

M. S. McG.

DOUBLE ANNUAL POPPIES

		Large	
	Oz.	Pkt.	Pkt.
Carnation Flowered. Flowers of large globular form with fringed petals; mixed colors; 2 feet	0.25		\$0.10
Crimson King. A dwarf variety with perfectly round flowers	.40	\$0.25	.10
Fairy Blush. Flowers white, elegantly fringed and tipped with rose; 2 feet	.40	.25	.10
Mikado (Striped Japanese). Double fringed flowers, white tipped with rose; 18 inches	.40	.25	.10
Paeony Flowered Scarlet. Large double flowers resembling a Paeony; 2 feet	.40	.25	.10
Paeony Flowered White	.40	.25	.10
Paeony Flowered Yellow. Very fine	.40	.25	.10
Paeony Flowered Mixed	.25		.10
Improved Shirley, May Queen. A reselected strain; large double flowers; mixed colors		.30	.10

PERENNIAL POPPIES

For permanent beds these brilliant hardy poppies stand unrivaled for general effectiveness and brilliancy of display.

rivaled for general effectiveness and brilliancy of displa	ıy.	
Larg	e pkt	. Pkt.
Giant Scarlet (Bracteatum). Large flowers; 3 feet\$	0.25	\$0.10
Iceland (Nudicaule). White. While these are hardy perennials, they flower the first year from spring sown seed. They are of graceful habit with fern-like foliage; the satin-like flowers are borne in endless		
profusion and are excellent for cutting; 12 inches	.40	.10
Iceland Orange Scarlet	.40	.10
Iceland Yellow	.40	.10
Iceland Single Mixed. Colors range from white and yellow to deep orange scarlet (1/4 oz., 60c.)	.40	.10
Orientale. Extra large flowers; deep scarlet (½ oz., 40c.)	.30	.10
Orientale, Mrs. Perry. Rich salmon pink	.60	.10
Orientale, Hybrids. Flowers of large size; mixed colors (1/4 oz., 60c.)	.40	.10



Portulaca, Single and Double

PORTULACA (Sun Plant)

Brilliant hardy annual, of easy culture; excellent for massing in beds, edging or rock work, thriving best in a light, sandy soil and a sunny situation; flowers of the brightest colors.

Large pki	t. Pkt.
Double Mixed. All colors	\$0.10
Single Wixed. All colors. 07 750 25	.10
Imported Collection. 6 Double varieties	.50
Imported Collection. 8 Single varieties	
imported confection. o single varieties	.50

PRIMULA

FRINGED CHINESE PRIMROSE
These are among our finest winter and spring blooming

pot plants for decorations in the home or conservatory. Our seed has been grown for us by a Primula Specialist, and cannot be excelled for size and brilliancy of colors. Our strains have won many first prizes. Large pkt. Pkt. Duchess. Large; white with zone of rosy carmine. yellow eye.

Holborn Blue. A beautiful shade. .40 .85 .40Kermesina Splendens. Crimson .85 .40 Rosy Morn. Delicate pink.
Michell's Prize Mixture. This mixture contains only the finest sorts selected from the best strains. .85 .40 .85 .25Imported Collection. 8 varieties.....

			.10
	PRIMULA OBCONICA		
A beauti	ful and continuous blooming variet	v with ha	ndeomo
spikes of now	ers and pretty toliage: elegant plan	its for mo	mhouan
or light winds	ow of dwelling house.	I organi	t Dl-t
Grandiflora	Alba. White	Large pr	FKI.
"	Coorules Plys	\$0.75	\$0.20
66	Coerulea. Blue	75	
4.6	Kermesina. Crimson	. 75	.20
"	Lilacina. Pale lilac	75	.20
	Rosea. Pink	75	.20
•••	Hybrida. Mixed	75	
6.6	Fimbriata. Flowers fringed; m	ixed	.20
	colors		.15
Gigantea Mo	onster. An extra large flower	min or	.10
g	strain of this popular Primula	amg	
" A	and Placers Soft wind		
" V	pple Blossom. Soft pink	1.25	.40
" D	ermesina. Deep crimson	1.25	.40
De	ep Rose. Brilliant	1.25	.40
· Ro	osea. Pink	1.25	.40
· Sa	lmon Queen	1.25	.40
" M	ixed Colors	1.25	.40

PRIMULA—Continued VARIOUS SORTS

Eureka, Salmon Pink. This class is akin to the Obconica type, but the compact flower heads have more the appearance of the Sinensis variety; large, well shaped flowers. Original pkt., 85c.

Kewensis (Verbena Scented Yellow Primrose). Spikes each 12 to 18 inches long; color, soft yellow; very fragrant......\$0.75 \$0.25 Malacoides. Resembles Primula Forbesi, but the flowers are much larger; if grown in a greenhouse it will bloom in four to five months after sowing and continue for a long time; color, a pretty light lilae..... .20 Malacoides Alba. Flowers pure white..... .20 Malacoides Alba Plena. A new variety with double white flowers..... .75 Malacoides Superba. Deep rosy pink; large..... .40

HARDY PRIMROSES

Excellent early spring blooming plants; hardy, though in very cold localities they should have slight protection.

Veris (English Cowslip). This beautiful spring flowering dwarf hardy perennial bears clusters of fragrant flowers of various colors; 6 in. high......\$0.60 \$0.10

PUERARIA THUNBERGIANA (Kudzu Vine)

One of the fastest growing hardy climbing plants; grows 8 to 10 feet the first year from seed; its foliage is large and covers well; rosy purple peashaped blossoms toward the end of August.....

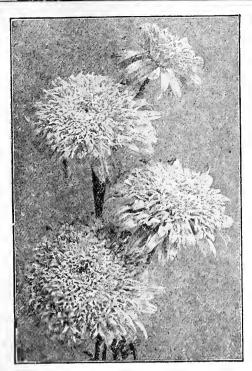
San Antonio, Texas.

.10

All the seeds I received from you have given good results. Primula Obconica raised from your seed has given in quantity and quality, brilliant results. W. S.



Michell's Prize Chinese Primula



Pyrethrum, Double (Large pkt. 75c.)

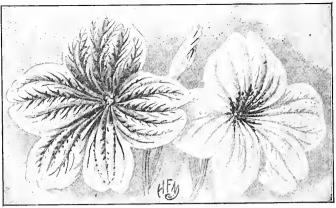
PYRETHRUM FOLIAGE SORTS

Foliage plants used for edging of ornamental beds; leaves are finely cut.

Aureum (Golden Feather). Bright golden yellow foliage; 8 inches.....oz., 50c. \$0.25 \$0.10

RESEDA (See Mignonette)
RHODANTHE (Everlasting Flower) (See page 27)
RICINUS (Castor Oil Bean)

KICINUS (Castor On Bean)		
These ornamental plants are used with great effect	t on	lawns,
as centerpieces in flowering beds such as cannas, etc.	Oz.	Pkt.
as centerpieces in nowering beds such as cannot, ever	٠	
Red Spire (New). Bronzy-green and red foliage. For		00 15
full description, see page 10	0.40	\$0.15
Porboniensis Reautiful green foliage: 15 feet	.25	.10
Cambodgensis. Large leaves, dark bronzy-maroon;		
Cambodgensis. Large leaves, dark bronzy-maroon,	.25	.10
5 feet		
Cibsoni Deep red foliage: 5 feet	.25	.10
Sanguineus. Blood-red stalks and clusters of red		
Sanguineus. Diood-red Stands and Stands	.25	.10
fruit; 8 feet	.20	•10
Zanzibariensis. Enormous leaves, varying in color		
from light green to purplish red; 12 feet	.25	.10
from light green to purprish red, 12 reconstruction	.20	.10
Mixed. All sorts	.20	.10
RUDBECKIA (Coneflower)		
Low Town	an nie	t. Pkt.
Larg	ge pk	U. IKU.



Salpiglossis

SALPIGLOSSIS (Painted Tongue)

Easy growing annual plants which have become great favorites, not only because of its easy culture, but mainly for its beautifully tinted and veined flowers; blooms from early summer until late fall; 18 inches.

Large pkt. Pkt. late fall; 18 inches. ...\$0.50.50 Primrose . . .50 Purple and Gold..... White and Gold
Choice Mixed. All colors Collection. One packet each above, 6 varieties.... Emperor Mixed. A new type, having only one main stem, and bearing on its summit a large number of beautiful flowers, each one richly veined with gold... .15

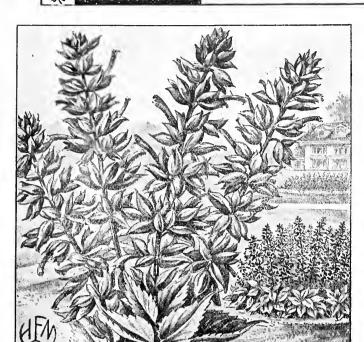
MICHELL'S PRACTICAL GARDEN POINTERS

A publication we have compiled that contains valuable information on things floricultural, horticultural and agricultural. Ask for copy.—FREE.

See pages 8 and 12 for valuable Novelties and Specialties in Flower Seeds.



Ricinus (Castor Oil Plant)

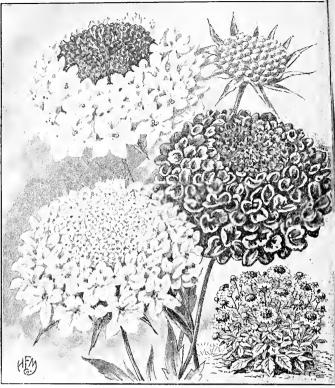


Salvia, Bonfire

SALVIA (Scarlet Sage)

The Salvia is among our most popular and useful bedding plants. There is nothing more effective in the mid-summer or fall than these bright scarlet flowers. Seeds should be started either in the house or in hotbeds from February till April. Seed may also be sown in the open ground in May.

also be sown in the open ground in may.	Large pkt	. Pkt
America or Globe of Fire. Of dwarf, bushy, o	eom-	
pact growth, and very uniform in height and sh	ape.	
A free and continuous bloomer; produces l	arge	
spikes of brilliant scarlet flowers 1/4 oz., \$1		\$0.25
Bonfire (Clara Bedman). Compact bushy plant		
feet high, producing innumerable erect spike	s of	
the most brilliant scarlet flowers \dots $\frac{1}{4}$ oz., \$.10
Patens. Bright blue flowers of large size; excel	llent	4.0
for the border or greenhouse; height, 2 feet.		.15
Splendens. The old favorite bedding variety;		
growing plants with bright scarlet flowers; hei	ignt,	.10
3 feet	75c50	.10
zurich. One of the earliest howering of all salv	vias,	
plants are of dwarf, bushy growth and produce abundance of bright scarlet flowers from early	e an Inly	
until frost; for bedding it is very effective, ei	thor	
planted alone or as a front row for the ta	aller	
varieties: 18 inches	75c50	.15
varieties; 18 inches	d as	.10
an annual, blooming from July to frost from sp	ring	
sown seed; color, light blue; 2 feet	50	.10
Ask for Cultural Leaflet No. 210 on the gro		
SANVITALIA		
Procumbens, Fl. Pl. An annual of dwarf grov	Large pk	t. PKt
useful for edges of borders or in vases, baskets, bright yellow, double flowers	eις.; ΦΩ 4Ω	Φ Ω 10
	φυ.4υ	φυ.10
SAPONARIA		
Vaccaria. A profuse blooming annual with beau		
pink, feathery flowers; 3 feet		.10
SENSITIVE PLANT (Min	iosa)	
Pudica. Curious and interesting annual plants		
pinkish white flowers; the leaves close or di		
when touched or shaken; 18 inches		.10
SHAMROCK		
Dainty little house plants, easily grown from s	seed.	
Frue Irish. Small leaved variety		.10
SHASTA DAISY. See Chrysant		
SHASIA DAISI. SEE UHIYSAHU	nemun	



Scabiosa, Grandiflora

SCABIOSA (Mourning Bride)

Magnificent hardy annuals of easy cultivation, blooming freely through the summer and autumn. They are very decorative for beds or borders in the garden and are invaluable for cutting.

GRANDIFLORA VARIETIES (Annual)

Flowers large and very showy, on stalks fully 2 feet high.

Large pkt. Pkt.

Azure Fairy. Clear lavender blue \$0.25 \$0.10
Cherry Red 25 10
Crimson. Rich shade 25 10
Flesh Pink. Delicate shade 25 10
King of Blacks. Deep purple 25 10
King of Blacks. Deep purple 25 10
Kose. Soft rose color 25 10
White 25 10
Collection. One packet each 6 colors 50
Finest Mixed 02, 60c 25 10
Dwarf Double Mixed. Plants grow but 12 inches high; all colors 02, 60c 25 10

HARDY PERENNIAL VARIETIES

SCHIZANTHUS (Butterfly Flower)

One of our finest hardy annuals; of easy culture in any good garden soil and bearing a profusion of pretty butterfly-like flowers of various colors, closely resembling some species of Orchids; they are also useful as pot plants for late winter and spring blooming; for this purpose sow in autumn.

Large pkt. Pkt.

Large	PK.	TV
Garraway's Hybrids. A grand strain; flowers large;	•	
handsome markings on a white, buff, rose, blue or		
purple ground	75	\$0.2
Hybridus Grandiflorus. Forms compact pyramidal		
plants covered with flowers of many shades of		
	30	.1
Wisetonensis. A showy variety, largely used as a pot		
plant for the house or conservatory; bears a pro-		
fusion of flowers ranging from white with yellow		
center to pink with brown center; $1\frac{1}{2}$ feet	50	.2

.20

.25

SMILAX

Large pkt. Pkt. A greenhouse climber of great value for floral decorations; foliage light green and very graceful; seed should be soaked 24 hours in warm water before sowing; 10 feet......oz., 50c.\$0.25 \$0.10

SNAPDRAGON. See Antirrhinum **SOLANUM**

Ornamental pot plants for winter decoration; of dwarf branching habit; dark green foliage; bears a profusion of bright berries; Ĭ foot. Large pkt. Pkt.

Capsicastrum (Jerusalem Cherry). Bright scarlet globular berries; 1 foot.....oz., 75c.\$0.25 \$0.10 Cleveland Cherry. A grand acquisition to this class of plants; grows more compact than the above and produces the scarlet berries in greater profusion

STATICE (Sea Lavender)

Splendid plants, either for the border or rockery, producing all summer panicles of small flowers, which can be dried and used For winter bouquets; 2 feet.

Large pkt. Pkt.

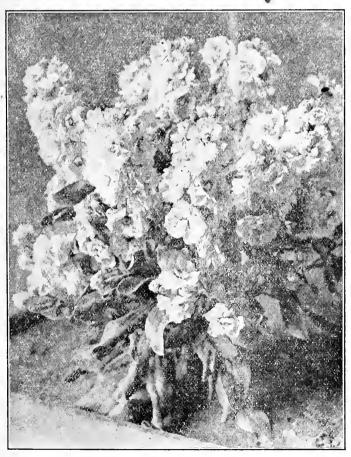
Latifolia. Perennial; large deep-blue flowers. ... \$0.50 \$0.10

Bonduelli. Annual variety; golden yellow. ... 30 .10

Sinuata Blue. An annual variety. ... 30 .10 Lavender. Rosea Superba .10 .10 White.... .10**STEVIA**

Serrata. Free blooming plants for summer or winter, bearing a profusion of fragrant white flowers; excellent for cutting; 2 feet..... .10

> STIPA (Ornamental Grass). See page 29. STOKESIA. See page 46 SUNFLOWER. See page 46



Stock, Michell's Flower Market



Statice, Sinuata

Michell's "Distinctive" Stocks

The stock is one of the most popular and highly prized of our cultivated flowers, either for the garden or for pot culture. The charming colors, delightful fragrance and free blooming character, have made them favorite plants for both summer and winter cultivation. The seeds we offer are hand-saved from pot-grown specimens and will produce a large percentage of double flowers.

MICHELL'S FLOWER MARKET STOCK

This is the ideal stock for either garden, cutting or forcing under glass. Plants branch freely and produce from 10 to 15 heavy spikes of extra large perfect flowers; height, 2 feet.

Large pkt			
		Rose Pink \$0.50 \$	
Dark Blue	.15	White	.15
Flesh Pink	.15	Mixed	.15
Light Blue	.15		

MICHELL'S EARLY FLOWERING "NICE" STOCK

An early flowering strain of branching habit; remarkably free bloomer; large, double fragrant flowers; fine for garden bedding or cutting; especially desirable for use as a pot-plant. For winter blooming, sow from July to September. Large pkt. Pkt. Abundance. Dwarf, spreading habit; carmine-rose. \$0.50 \$0.15 Beauty of Nice. Charming delicate pink. .50 .15 Crimson King. Deep red. .50 .15 La Brilliante. Rich brilliant crimson .50 .15 Midsummer Night. Deep, dark violet .50 .15 Monte Carlo. Canary yellow .50 .15 Monte Carlo. Canary yellow .50 .15 Old Rose (New). An extra fine variety .50 .15 Queen Alexandra. Delicate lavender .50 .15 Choice Mixed. All colors .50 .15 blooming, sow from July to September. Large pkt. Pkt.

LARGE FLOWERED DWARF TEN-WEEK STOCK This is the leading variety for bedding out, for summer

blooming; also fine for pots. Large pkt. Pkt. Blood Red.....\$0.40 \$0.10 | Pink......\$0.40 \$0.10 .10 .10 .40.10 Dark Blue .10 | Mixed Light Blue..... .40 .10

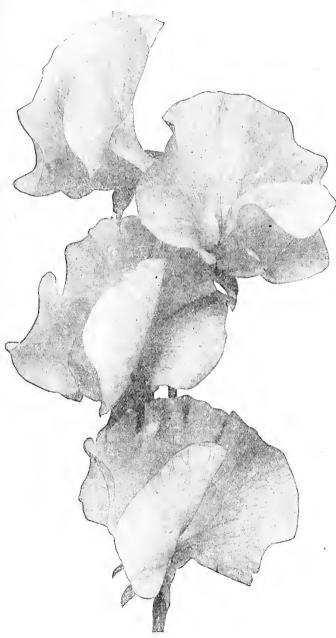
VARIOUS STOCKS

Princess Alice (Cut-and-Come-Again). Branching plants with double pure white flowers; fine for . \$0.50 \$0.10 cutting......\$0.50 \$0.10
Virginian Mixed. Free flowering annual...oz., 40c. .25 .10
Ask for Cultural Leaflet No. 211 on the growing of Stocks.

Large pkt. Pkt.

44 MICHELL'S SPENCER OR ORCHID SWEET PEAS

Nothing within recent years can approach in importance the introduction of the "Spencer" Sweet Peas. They are distinguished from the Grandiflora sorts by the enormous flowers with crinkled and wavy petals, and also from the fact that they usually bear four blossoms on a stem. The plants are of robust growth and bear the flowers on long stems. On account of their superiority over the Grandiflora sorts, we have discontinued listing the latter excepting in mixture.



Spencer or Orchid Sweet Pea

MICHELL'S SUPERB SPENCER MIXTURE

A mixture that cannot be surpassed. Blended by ourselves from only the Giant Waved Spencer varieties in proper proportions of bright colors and including a number of new hybrids of exquisite colors and shades. Per pkt., 10c.; 25c. per oz.; ½ lb., 60c.; \$2.00 per lb.

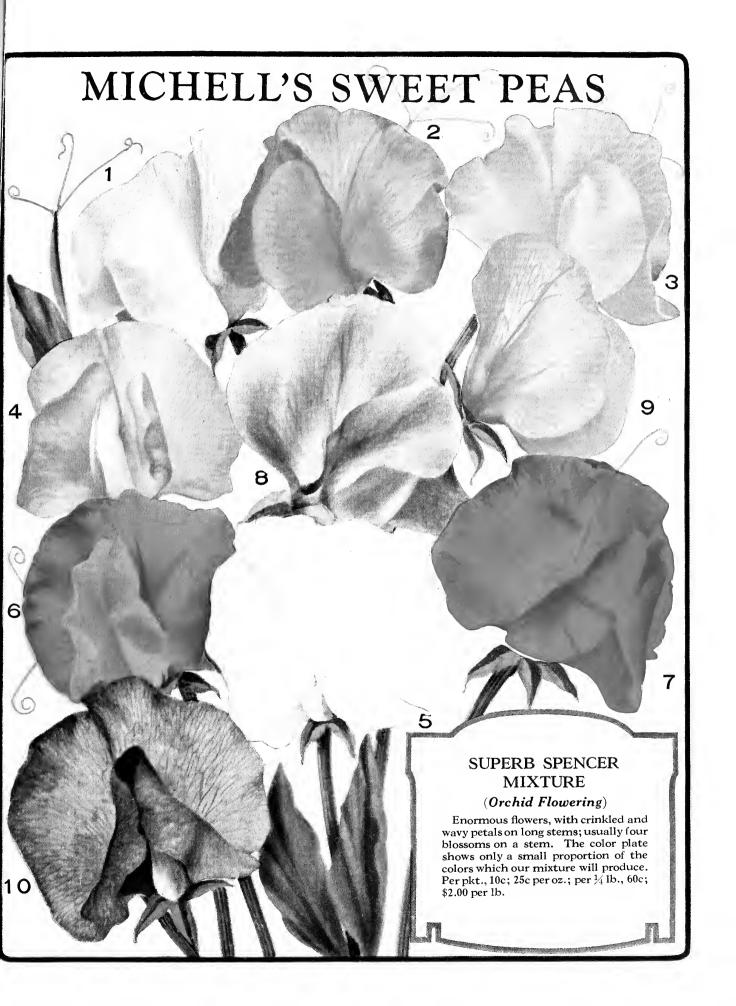
MICHELL'S GILT EDGE MIXTURE

This mixture contains Grandiflora or large flowering varieties and represents almost every color and shade in Sweet Peas. Price: 5c. per pkt.; per oz., 15c.; 35c. per 1/4 lb., per lb., \$1.00.

BLUE AND PURPLE			
	Oz.	1/4 lb.	Lb.
Captain of the Blues Spencer. Standard purple; wings blue	0.35	\$1.00	\$3.50
violet blue	.35	1.00	3.50
Royal Purple. Rich purple; one of the finest varieties	.35	1.00	3.50
Wedgwood. A lovely self-blue, a beautiful and popular color	.35	1.00	3.50
DEEP PINK OR ROSI	E		
Apple Blossom Spencer. Standard light rose; wings primrose flushed rose	.35	1.00	3.50
Hawlmark Pink. Rose pink flushed and shaded with salmon	.35	1.00	3.50
LAVENDER			
Asta Ohn Spencer. Rich lavender; one			
of the best; flowers large	.35	1.00	3.50
and best lavenders	.35	1.00	3.50
ender	.35	1.00	3.50
LIGHT PINK			
Blanche Ferry Spencer. Large flowers;	.35	1.00	3.50
pink and white			
shading deeper at the edge	.35 .35	$\frac{1.00}{1.00}$	$\frac{3.50}{3.50}$
Elfrida Pearson. Large shell pink Hercules. Giant pure pink	.35	1.00	3.50
Hercules. Giant pure pink	.35	1.00	3.50
MAROON Othello Spencer Deep maroon	25	1.00	2 50
Othello Spencer. Deep maroon	.35	1.00	3.50
Othello Spencer. Deep maroonORANGE AND SALMO		1.00	3.50
ORANGE AND SALMO Helen Lewis. Orange pink; wings orange salmon	.35	1.00	3.50,
Othello Spencer. Deep maroon ORANGE AND SALMO Helen Lewis. Orange pink; wings orange salmon Illuminator. Rich salmon pink Margaret Atlee. Light salmon pink on	.35 .35	1.00 1.00	3.50, 3.50
ORANGE AND SALMO Helen Lewis. Orange pink; wings orange salmon	.35	1.00	3.50,
ORANGE AND SALMO Helen Lewis. Orange pink; wings orange salmon. Illuminator. Rich salmon pink. Margaret Atlee. Light salmon pink on cream ground. PRIMROSE OR LIGHT YE	.35 .35 .35	1.00 1.00 1.00	3.50, 3.50 3.50
ORANGE AND SALMO Helen Lewis. Orange pink; wings orange salmon. Illuminator. Rich salmon pink. Margaret Atlee. Light salmon pink on cream ground	.35 .35 .35	1.00 1.00 1.00	3.50, 3.50
Othello Spencer. Deep maroon	.35 .35 .35 .35	1.00 1.00 1.00 W	3.50, 3.50 3.50
ORANGE AND SALMO Helen Lewis. Orange pink; wings orange salmon. Illuminator. Rich salmon pink. Margaret Atlee. Light salmon pink on cream ground. PRIMROSE OR LIGHT YE Dobbie's Cream. Deep primrose. Primrose Spencer. Light primrose yellow. SCARLET Defiance (New). A beautiful orange scarlet;	.35 .35 .35 .35 .35 .35	1.00 1.00 1.00 W 1.00 1.00	3.50, 3.50 3.50
ORANGE AND SALMO Helen Lewis. Orange pink; wings orange salmon. Illuminator. Rich salmon pink. Margaret Atlee. Light salmon pink on cream ground. PRIMROSE OR LIGHT YE Dobbie's Cream. Deep primrose. Primrose Spencer. Light primrose yellow. SCARLET Defiance (New). A beautiful orange scarlet; a fine large flower. (Pkt., 25c.; ½ oz., \$1.25) Fiery Cross. Large; intense orange scarlet.	.35 .35 .35 .35 .35 .35	1.00 1.00 1.00 W	3.50, 3.50 3.50
ORANGE AND SALMO Helen Lewis. Orange pink; wings orange salmon. Illuminator. Rich salmon pink. Margaret Atlee. Light salmon pink on cream ground. PRIMROSE OR LIGHT YE Dobbie's Cream. Deep primrose. Primrose Spencer. Light primrose yellow. SCARLET Defiance (New). A beautiful orange scarlet; a fine large flower. (Pkt., 25c.; ½ oz., \$1.25) Fiery Cross. Large; intense orange scarlet. King Edward Spencer. Rich, crimson scarlet; large.	.35 .35 .35 .35 .35 .35 .35 .35	1.00 1.00 1.00 W 1.00 1.00 8.00 1.00	3.50, 3.50 3.50 3.50 3.50 3.50
ORANGE AND SALMO Helen Lewis. Orange pink; wings orange salmon. Illuminator. Rich salmon pink. Margaret Atlee. Light salmon pink on cream ground. PRIMROSE OR LIGHT YE Dobbie's Cream. Deep primrose. Primrose Spencer. Light primrose yellow. SCARLET Defiance (New). A beautiful orange scarlet; a fine large flower. (Pkt., 25c.; ½ oz., \$1.25) Fiery Cross. Large; intense orange scarlet. King Edward Spencer. Rich, crimson	.35 .35 .35 .35 .35 .35 .35 .2.25 .35	1.00 1.00 1.00 1.00 1.00 1.00	3.50 3.50 3.50 3.50 3.50 3.50
ORANGE AND SALMO Helen Lewis. Orange pink; wings orange salmon. Illuminator. Rich salmon pink. Margaret Atlee. Light salmon pink on cream ground. PRIMROSE OR LIGHT YE Dobbie's Cream. Deep primrose. Primrose Spencer. Light primrose yellow. SCARLET Defiance (New). A beautiful orange scarlet; a fine large flower. (Pkt., 25c.; ½ oz., \$1.25) Fiery Cross. Large; intense orange scarlet. King Edward Spencer. Rich, crimson scarlet; large. Royal Scot. Large brilliant scarlet. Vermillion Brilliant. Intense scarlet.	.35 .35 .35 .35 .35 .35 .35 .35	1.00 1.00 1.00 W 1.00 1.00 8.00 1.00	3.50 3.50 3.50 3.50 3.50 3.50
ORANGE AND SALMO Helen Lewis. Orange pink; wings orange salmon. Illuminator. Rich salmon pink. Margaret Atlee. Light salmon pink on cream ground. PRIMROSE OR LIGHT YE Dobbie's Cream. Deep primrose. Primrose Spencer. Light primrose yellow. SCARLET Defiance (New). A beautiful orange scarlet; a fine large flower. (Pkt., 25c.; ½ oz., \$1.25) Fiery Cross. Large; intense orange scarlet. King Edward Spencer. Rich, crimson scarlet; large. Royal Scot. Large brilliant scarlet. Vermillion Brilliant. Intense scarlet. WHITE Constance Hinton. One of the largest vari-	.35 .35 .35 .35 .35 .35 .35 .35 .35 .35	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50
ORANGE AND SALMO Helen Lewis. Orange pink; wings orange salmon. Illuminator. Rich salmon pink. Margaret Atlee. Light salmon pink on cream ground. PRIMROSE OR LIGHT YE Dobbie's Cream. Deep primrose. Primrose Spencer. Light primrose yellow. SCARLET Defiance (New). A beautiful orange scarlet; a fine large flower. (Pkt., 25c.; ½ oz., \$1.25) Fiery Cross. Large; intense orange scarlet. King Edward Spencer. Rich, crimson scarlet; large. Royal Scot. Large brilliant scarlet. Vermillion Brilliant. Intense scarlet. WHITE Constance Hinton. One of the largest varieties; flowers white; black seeded. King White. Gigantic flowers; pure white.	.35 .35 .35 .35 .35 .35 .35 .35	1.00 1.00 1.00 W 1.00 1.00 8.00 1.00	3.50 3.50 3.50 3.50 3.50 3.50
ORANGE AND SALMO Helen Lewis. Orange pink; wings orange salmon. Illuminator. Rich salmon pink. Margaret Atlee. Light salmon pink on cream ground. PRIMROSE OR LIGHT YE Dobbie's Cream. Deep primrose. Primrose Spencer. Light primrose yellow. SCARLET Defiance (New). A beautiful orange scarlet; a fine large flower. (Pkt., 25c.; ½ oz., \$1.25) Fiery Cross. Large; intense orange scarlet. King Edward Spencer. Rich, crimson scarlet; large. Royal Scot. Large brilliant scarlet. Vermillion Brilliant. Intense scarlet. WHITE Constance Hinton. One of the largest vari-	.35 .35 .35 .35 .35 .35 .35 .35 .35 .35	1.00 1.00 1.00 W 1.00 1.00 1.00 1.00 1.00	3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50

COLLECTION OF SPENCER OR ORCHID SWEET PEAS

One pkt. each 12 named varieties our selection, \$1.00.



44A

MICHELL'S EARLY OR WINTER FLOWERING SPENCER SWEET PEAS

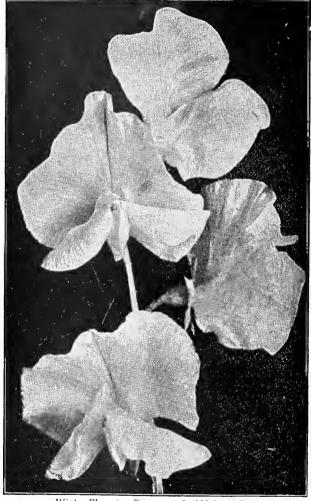
While these are especially adapted for forcing under glass for winter and early spring blooming, they are also valuable for outdoor culture, coming into bloom five or six weeks earlier than the regular Spencer or Orchid flowered type, and if the flowers are kept cut, they will continue to bloom for a long time.

EARLY OR WINTER FLOWERING SPENCER SWEET PEAS

NEWER VARIETIES

The following varieties, but recently introduced, have proven to be a great improvement in the Early or Winter Flowering Spencer Sweet Peas. They are of special merit as regards size and form of flowers and length of stem.

form of flowers and length of stem.	as re	gards siz	ze and
	Pkt.	½ oz.	Oz.
Burpee's Orange. Finest clear glistening	L IXU.	/2 02.	02.
orange; flowers of largest size and produced			
in threes and fours on long stems	80.25	\$1.75	\$3.00
Florence Michell (Novelty). The best deep			
blue to date; very free flowering; usually			
four large flowers are produced on a stem	.35	2.25	4.00
Mrs. Kerr. Flowers of immense size; color, a			
pleasing shade of rich salmon, overlaid with			
a soft tinge of orange	.15	.90	1.50
Mrs. Warren G. Harding. A deep shade of			
silvery blue; of immense size and beauti-			
fully waved	.15	.90	1.50
Princess. Flowers large; color, a lovely shade of soft lavender suffused mauve; nicely			
of soft lavender suffused mauve; nicely			
waved	.15	.75	1.25
Rose Dore (Novelty). A beautiful rose pink			
suffused gold, with orange shading; very	0.5		0.00
long stems	.25	1.75	3.00
White Star. An extra fine black-seeded, pure			
white variety; flowers of enormous size, pro-	4 5	00	1 50
duced in fours and well waved	.15	.90	1.50
GENERAL LIST			
Asta Ohn. Rich lavender	15	co	1.00
	.15	.60	1.00
Aviator. Dazzling crimson scarlet	.15	.60	1.00
Blue Bird. A charming shade of blue	.15	.60	1.00
Cherry Ripe. Cherry or salmon cerise	.15	.60	1.00
Columbia. Salmon color standard; white			
wings	.15	.60	1.00
Fair Maid. Blush pink, suffused salmon	.15	.60	1.00
Fire King. Deep orange scarlet	.15	.60	1.00
Glitters (Early Royal Scot). Standard fiery			
orange; wings deep orange	.15	.60	1.00
Heatherbell. Mauve lavender	.15	.60	1.00
Illumination. Salmon cerise, suffused orange	.15	.60	1.00
Lavender King. Rich, deep lavender	.15	.60	1.00
Madonna. Best giant white; black seeded	.15	.60	1.00
Meadow Lark. Rich cream	.15	.60	1.00
Melody. Rose pink on white ground	.15	.60	1.00
Miss Louise Gude. Large flowering; color,		0.0	.
shell pink	.15	.90	1.50
Mrs. A. A. Skaach. Clear, light pink	.15	.60	1.00
Othello. Flowers large; beautiful maroon	.15	.60	1.00
Primrose Beauty. Deep primrose, flushed			
rose, flowers large	.15	.60	1.00
Rose Queen. Flowers are borne freely on			
long stems, are of large size, and usually four			
flowers are produced on a stem. Color a most attractive shade of rose pink. $\frac{1}{4}$ oz., \$1.25	.50	ດດະ	1.00
		2.25	4.00
Snow Flake. Large pure white	.15	.60	1.00
Snowstorm (Improved). White; extra large	.15	.60	1.00
True Blue. A charming blue self; flowers			
large and well waved	.15	.60	1.00
Yarrawa. Flowers exquisitely waved, and of			
large size, many of them being duplex or double. Color, a pleasing shade of bright			
rose pink with lighter wings	.15	.60	1.00
		.90	
Zvolanek's Rose. Extra large; rose pink	.15	.90	1.50
Mixed Colors. Early or Winter Flowering	.10	.35	.60
Spencer	.10	.00	.00



Winter Flowering Spencer or Orchid Sweet Pea

For Sweet Peas especially adapted for outdoor planting see page 44.

NITROGEN-GATHERING BACTERIA

An ideal preparation for treating Sweet Pea Seed when planting. Makes larger and more flowers, longer stems; prolongs the blooming period.

Farmogerm. Trial size, 50c.

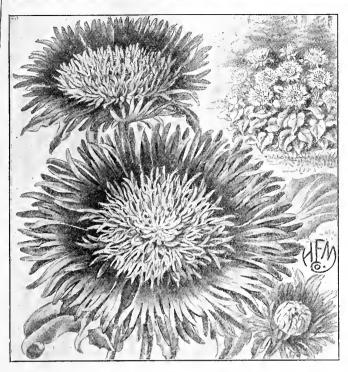
Mulford Culture. Trial size, 35c.

TESTIMONIAL

Tampa, Fla., April 6th, 1924.

I wish to express my appreciation of the excellent quality of seed of the five varieties of Sweet Peas which I ordered from you last fall. They produced a profusion of wonderfully large flowers and are still blooming.

MIGIEUS FLOWER SEEDS



Stokesia Cyanea

STOKESIA (Cornflower or Stokes' Aster)

Plants grow about 18 to 24 inches high, bearing freely from July to October handsome Centaurea-like blossoms, each measuring from 4 to 5 inches across; is of easy culture, and one of the most desirable plants for the hardy border; excellent for cutting. Large pkt. Pkt.

STRAWFLOWER (Helichrysum)

See Everlastings, page 27.

SUNFLOWER (Helianthus)

Well known hardy annuals, the small flowering sorts being useful for cutting; the tall varieties are valuable for backgrounds.

SMALL FLOWERED SORTS

SIMMER AND VALUED SOMES		
Larg	ge pkt	. Pkt.
Cucumerifolius (Miniature Sunflower). Single yellow; 4 feet	0.25	\$0.10
Cut and Come Again. Single golden yellow flowers, with petals twisted like a Cactus Dahlia. oz., 40c.	.25	.10
Stella. Produces an abundance of golden yellow, single flowers with black centers; invaluable for cutting; 4 feet	.25	.10
LARGE FLOWERED SORTS		
Chrysanthemum Flowered. Large double golden yellow flowers, resembling Chrysanthemums; 7 feet		
oz., 40c.	.25	.10
Double Globe (Globosus Fistulosus). Large double yellow flowers; height 6 feet	.25	.10
Dwarf Double (Globe of Gold). Yellow flowers; 3 feet	.25	.10
New Red. Extra large flowers, some of which are rich chestnut red, others tipped with yellow. oz., 60c.	.25	.10
Russian Mammoth. Immense single yellow flowers on tall heavy stalks; 6 feet		.05

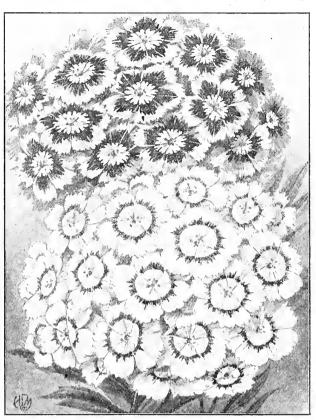
SWEET ALYSSUM. See Alyssum

SWEET ROCKET (Hesperis)

Excellent for naturalizing among shrubbery or for plan	ting in
a permanent border. Large pkt	. Pkt.
Mixed. Fragrant white and purple flowers; peren-	
nial; 2 to 3 feet	\$0.10

SWEET SULTAN (Centaurea Moschata)

Hardy annual; fragrant flowers, resembling "Bachelor's Buttons." Large pkt. Pkt. Large pkt. Pkt. Mixed Colors.....



Single Sweet William

SWEET WILLIAM (Dianthus Barbatus)

This is one of the finest of our hardy garden plants; of easy culture, thriving in any good garden soil and lasting for years. The plants grow about 1½ feet high, and form fine clumps; produces fine effects in beds and shrubbery. Oz. Large pkt. Pkt. Auricula Flowered. A beautiful class of

Auricula riowered. A beautiful class of		
"eyed" single varieties, all colors mixed\$0.75	\$0.25	\$0.10
Single Crimson	.25	.10
" Newport Pink. An exceedingly pretty		
variety with salmon pink flowers.	.50	.15
" Scarlet Beauty. Rich deep scarlet	.50	.15
" Velvety Maroon	.25	.10
" White	.25	.10
" Mixed. All colors	.25	.10
Double Mixed	.25	.10
Annual Single Mixed. Blooms the first year		
from seed	.50	.10
TACETES (Single Manigeld	\	

TAGETES (Single Marigold)
Signata Pumila. A fine bedding plant;
flowers golden yellow; fern-like foliage....

THUNBERGIA (Black-Eyed Susan)

Rapid growing annual climbers, making a pretty vine for trellises, fences, rockwork, etc.; also for window boxes, hanging baskets and vases.

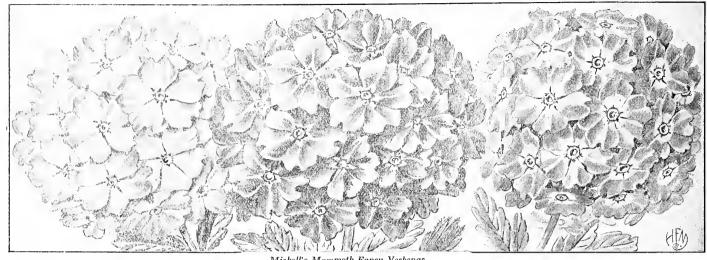
Large pkt. Pkt.

TORENIA

Showy bedding plants, flowering profusely all summer; also

TRITOMA (Red Hot Poker)

Hybrida Mixed. A striking ornamental autumn plant; valuable for flower borders or beds......



Michell's Mammoth Fancy Verbenas

VERBENA

An excellent annual for beds and massing, and for a gorgeous display during the summer months cannot be excelled, commencing to flower in July and continuing until frost. Our Mammoth Fancy Strain cannot be surpassed for profusion of bloom and

beautiful co	olors and sha	des.	Oz. L	arge pkt.	Pkt.
Michell's	Mammoth :	Fancy	Blue\$2.25	\$0.50	\$0.10
44	"	"	Pink 2.25	.50	.10
44	"	"	Scarlet 2.25	.50	.10
44	"	"	Striped 2.25	.50	.10
66	"	"	White 2.25	.50	.10
44	"	66	Yellow 2.25	.50	.10
**	"	44	Mixed 1.75	.50	.10
Collection	. One packet	each o	f above 6 colors		.50
Fine Mixe	d. All color	S	1.00	.30	.10
Mammoth	ı ''Lucifer.''	Ane	ew variety of large size	e;	
color an i	ntense deep c	ardina	l scarlet throughout	.60	.15
moss-like	foliage, spre	eading	Produces a mass of over the ground; for flowers purple	or	.10
ite plant	with delights	ul lem	ciodora). An old favo con-scented foliage; ex nmer and pots in wint	x-	.10
CCHEIR IO	i one saiden	III Suii	inici and pous in wine		.10

VALERIANA (Garden Heliotrope)

Hardy perennial border plants; large fragrant flowers, odor resembles that of the heliotrope; 2 to 3 feet. Large pkt. Pkt.

VERONICA (Speedwell)

An elegant hardy perennial plant of easy culture and freeflowering habit; of value as a cut flower or for garden. Grows bushy and produces long spikes of flowers. Large pkt. Pkt. Spicata. Long spikes of bright blue flowers; 18 in..\$0.50 \$0.10

VINCA (Madagascar Periwinkle)

Dwarf bedding plants, easily raised from seed; deep green glossy foliage and bright single blossoms of striking beauty; also suitable for pot plants; sow early. Large pkt. Pkt. \$0.10 .10 .10

MIXED FLOWER SEEDS FOR WILD GARDEN

This mixture embraces a large number of varieties of easygrowing, beautiful and interesting annual flowers, which will furnish a profusion of bloom throughout the entire summer and autumn; many of the varieties will be found useful for cutting. Pkt., 10c.; 25c. per oz.; ¼ lb., 60c.; \$2.00 per lb.

WILD CUCUMBER VINE. See Echinocystis

VIOLA CORNUTA (Tufted Pansies)

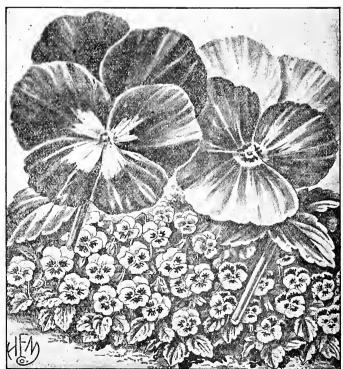
These resemble pansies in shape and form, with the additional quality that they are of long stems, and appear uninterruptedly Large pkt. Pkt. Mauve Queen. Lovely mauve color..... Perfection. Light blue.
White Perfection. Large white .60 Mixed. All colors

VIOLA (Scotch Bedding Pansies)

These are very free flowering and cannot be surpassed for bedding purposes; produce larger flowers than the Viola Cornuta.

Golden Gem. Yellow	\$0.6	0 \$0.15
Lutea Splendens. Rich golden yellow	6	.15
Snowflake. Pure white	6	0 .15
Mixed. From the best named Scotch varieties	5	0 .25

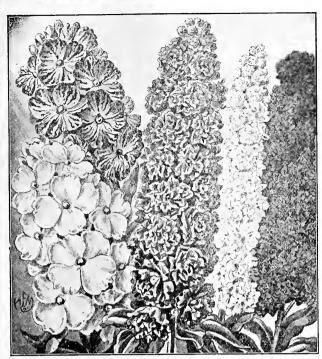
.10



Viola, Scotch Bedding

MIGHELLS FLOWER SEEDS





Wallflowers, Single and Double

WALLFLOWER

Half-hardy perennials of delicious fragrance. They should be protected in a cold frame in the winter and planted out in the Large pkt. Pkt. spring; 2 feet. Double Brown.....\$0.60 \$0.10 .10 .10

treated as an annual, flowering the first year from seed; 1½ feet.

	,		Larg	ge pkt.	Pkt.
Paris Extra Ear	lv Blood Re	ed	\$	0.25	\$0.10
Paris Extra Ear	v Yellow			.25	.10
Paris Extra Ear	ly Mixed.	All colors	oz., 60c.	.25	.10

XERANTHEMUM (Everlasting Flower) See page 27.

MICHELL'S DISTINCTIVE ZINNIAS (Youth and Old Age)

One of the most popular of our hardy annuals for beds, mixed borders and for cutting purposes; easy to grow in any good garden soil. They commence flowering early in the summer and continue until frost.

ROBUSTA OR GIANT DOUBLE ZINNIAS

Plants grow to a height of 21/2 to 3 feet with immense perfectly double flowers; splendid for cutting or garden effect.

				Oz.	Large pkt	. Pkt.
Buttercup.	Deep vellow			\$1.28	5 \$0.30	\$0.10
Crimson	Doop Joseph			1.28	.30	.10
Flesh Color .				1.25	.30	.10
Golden Yelle	nw.			1.28	.30	.10
Purple				1.28	.30	.10
Rose King.	Carmine rose	4		1.28	.30	.10
Salmon	Our mine rous			1.25	.30	.10
Scarlet				1.25	.30	.10
Shrimp Pink				1.25	.30	.10
Sulphur Yel	low			1.25	30	.10
Violet				1.25	.30	.10
White		• • • • • •		1.25	.30	.10
Mixed					.25	.10
Collection, o						1.00
"	ne packet eac	h 6 col	lors			.50
U	nic pactice cae	, 5 00.				

GIANT DAHLIA FLOWERED ZINNIAS

Flowers are distinct from the ordinary Giant Flowered class, being of a true Dahlia flowering type; flowers extra large. Plants grow from 2½ to 3 feet high. See color plate, opposite page 12.

Larg	e pkt.	Pkt.
Crimson Giant	0.60	\$0.20
Dream. Deep lavender turning to purple	.60	.20
Exquisite. Light rose, centre deep rose	.60	.20
Golden State. Orange yellow	.60	.20
Old Rose	.60	.20
Oriole. Orange and gold	.60	.20
Polar Bear. Pure white	.60	.20
Scarlet Flame. Scarlet with blending of orange	.60	.20
Mixed Colorsoz., \$2.25	.50	.15
Collection, one packet each above 8 colors		1.25
" one large packet each above 8 colors		4.00

DWARF DOUBLE ZINNIAS

Compact bushes not over two feet in height, large double flowers. Oz. Large pkt. Pkt.

Crimson\$0.75 \$0.25 \$0.10 10 .10 Salmon Rose .10

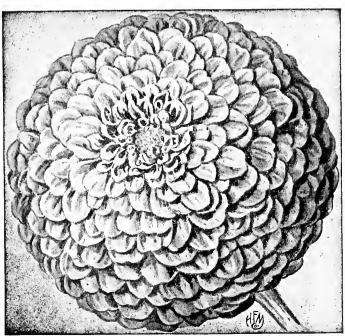
 White
 .75

 Yellow
 .75

 .10 .10 .25 .10 Collection, one packet each above 6 colors... .40

VARIOUS ZINNIAS

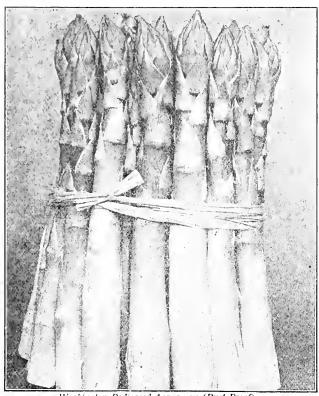
Oz. Large pkt. Pkt. Giant Picotee, Golden Pheasant. A new variety; desirable for bedding or cutting; gold ground, each petal tipped with maroon. \$0.60 \$0.25 Giant Picotee, Mixed. Large double flowers, .25 of many colors and shades..... Mexicana Perfection. Dwarf; excellent for borders; small double flowers; mixed colors. \$1.50 .50 .10 Red Riding Hood. Plants compact and covered the entire season with miniature double flowers; intense scarlet; 1 foot..... 1.25 .25 .10 .10



Zinnia, Giant Robusta

MICHELL'S VEGETABLE SEED SPECIALTIES

In line with our usual custom, we have taken from our general list certain specially meritorious varieties of vegetable seeds to which we call, on this and the 3 succeeding pages, special attention. Planters will do well to include these sorts in their seed order.



Washington Pedigreed Asparagus (Rust Proof)

PEDIGREED WASHINGTON ASPARAGUS

This new high yielding pedigreed rust resistant Asparagus is the result of 14 years of careful scientific breeding by the Bureau of Plant Industry. The shoots are usually dark green with a rich purple tinge, with a clean straight growth and of the finest market type, with a tight pointed bud and not branching out until well beyond the market height. The shoots are very large on the average and the high branching habit of this strain makes it possible to cut unbranched shoots with good tight buds as much as two feet long. The branches of the mature shoots after they grow up are much less spreading than those of ordinary asparagus. Seeds. Pkt., 10c.; 30c. per oz.; 1/4 lb., \$1.00; \$3.50 per lb., póstpaid.

Roots. Strong 2-year old, ready after March 15th. 25 for 65c. (by parcel post, 85c.); \$2.00 per 100 (by parcel post, \$2.25); per 1000, \$16.00.

BEAN, UNRIVALED WAX

Extremely early, with creamy yellow, wax pods, long, flat, tender and of excellent quality. The plant is a strong, robust grower and bears an enormous crop of pods, which average six inches in length, almost straight and remain tender for a long period. Pkt., 10c.; 45c. per lb. (by parcel post, 52c.); 2 lbs., 85c. (by parcel post, 95c.); \$2.10 per 5 lbs. (by parcel post, \$2.25); 10 lbs., \$4.10 (by parcel post, \$4.40); \$10.00 per 25 lbs.

BEET, EARLY WONDER

A wonderful early variety of recent introduction, and one which is gaining wide popularity. It may be sown early and it matures rapidly, earlier than Crosby's Egyptian. Globe shaped, very uniform in size, and of a beautiful deep red color; a desirable sort for the home garden as well as for market. Pkt., 10c.; 30c. per oz.; ½ lb., \$1.00; \$3.00 per lb., postpaid.

BRUSSELS SPROUTS Long Island Half Dwarf

A popular variety of Long Island, where it is grown on a large scale for market. The plants are about $1\frac{1}{2}$ to 2 feet high, and are covered from the ground up with sprouts. Pkt., 10c.; 15c. per ½ oz.; oz., 30c.; 80c. per ¼ lb.; lb., \$2.50, postpaid.

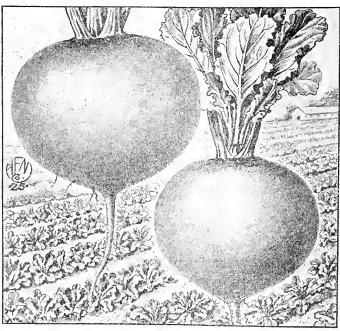


BEET

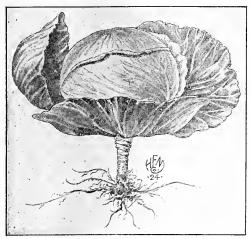
Michell's "Winter Keeper"

See Color Plate on Second Cover Page

This grand beet is almost globe shaped, tapering slightly toward the root. The dark blood red flesh is always tender. The hard, stringy, woodenlike substance, so common in many varieties, is entirely absent in this sort. It is ideal as a late summer cropper, or for use during winter and spring, until new beets are on the market again. Pkt., 10c.; 25c. per oz.; 1/4 lb., 75c.; \$2.50 per lb., postpaid.



Beet, Early Wonder



Cabbage, Babyhead

NEW SWEET CORN

"Sugar Kernel"

This variety originated with one of our customers in the Spring of 1919 and it was discovered by the gardener to be so entirely distinct from the balance of a planting that he marked it and tested it for sweetness and eating qualities and found it to be exceptional. One of its peculiar features is that it may be eaten free or entirely clear of the cob. Being pleased with this discovery the gardener made a test of it during 1920, planting it on April 20th together with Early Maine and Golden Bantam, the results were that the Early Maine matured on July 12th, the Golden Bantam July 15th and the

Sugar Kernel on July 15th.
It is apparent that it is as early as the Golden Bantam yet especially desirable for late maturity and is far superior in point of test than any other brand of Corn he had been growing.

The gardener who originated this variety and gives us this description states he has been growing Sugar Corn for twenty years and this is the best Corn he has ever had any experience with. The ears are cylindrical, medium size and often two ears on a stalk; he gave us this description on October 18, 1921, when he stated this variety was maturing in the garden and of

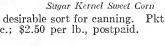
exceptional quality. Pkt., 10c.; 30c. per lb.(by parcel post, 37c.); 2 lbs., 55c. (by parcel post, 65c.); \$1.25 for 5 lbs. (by parcel post, \$1.40); 10 lbs., \$2.25 (by parcel post, \$2.55); \$5.25 for 25 lbs.



Strain)

A selected strain grown for us by a very careful grower. An early, globe-shaped variety; good size, smooth and handsome and of a dark blood red color; the flesh is deep vermillion red, zoned with a lighter shade of the same color:

of excellent quality and a desirable sort for canning. Pkt., 10c.; 25c. per oz.; ¼ lb., 75c.; \$2.50 per lb., postpaid.



CELERY

Michell's Easy Blanching (Private Stock, Penna. Grown)

This variety, without exception, is probably the most important celery introduction in recent years. The stalks are broad, fine grained and crisp, with a big heart that blanches a beautiful white with yellow leaf tips. Plants set out in June are fully matured and ready for use the early part of September. As a celery for autumn and Thanksgiving, we believe it has no equal. Pkt., 15c.; \$1.00 per ½ oz.; oz., \$1.75; \$6.00 per ¼ lb., postpaid.

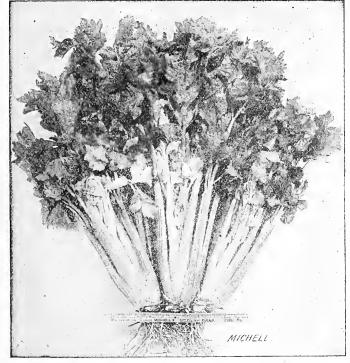
CABBAGE. BABYHEAD

Extremely Early. Well adapted for Forcing.

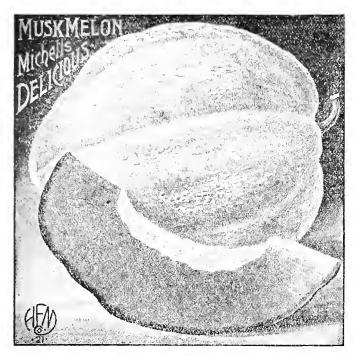
An excellent variety of cabbage, characterized especially by its extreme earliness and the small size of the heads, which is usually less than six inches across, round, firm and of splendid cooking quality; has a very short stem and on account of the few small outer leaves the plants may be set as close as 8 to 10 inches apart. It is an ideal variety for growing under glass and early open ground planting. Pkt., 15c.; 40c. per ½ oz.; oz., 75c.; \$2.75 per 1/4 lb., postpaid.

NEW CELERY, GOLDEN PLUME

It is claimed that this variety will mature earlier than any other variety and blanch in half the time. Of finest flavor and without strings; sweet, succulent, crisp and tender. Solid, does not grow hollow; all good eating, even the leaves. Pkt., 20c.; \$1.75 per $\frac{1}{4}$ oz.; $\frac{1}{2}$ oz., \$3.00; \$5.00 per oz.

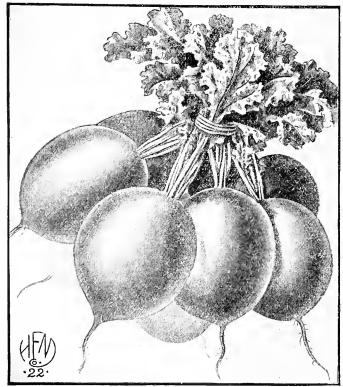


Celery, Easy Blanching (Penna. Grown Stock)

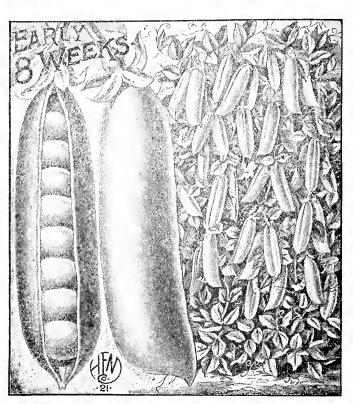


MUSK MELON Michell's Delicious

This variety deservedly enjoys a good name; it is one of the very large irregular pumpkin-shaped melons with a smooth silver gray rind. The flesh is very deep orange-salmon and represents most of the melon, as the seed space is very small with but few seeds. One melon of this variety is frequently enough for a family of three or four. 15c. per pkt.; ½ oz., 35c.; 65c. per oz.; ¼ lb., \$2.00, postpaid.



Radish, Scarlet Globe (Special Forcing)



PEAS, EXTRA EARLY EIGHT WEEKS See Color Plate on Second Cover Page

This is one of the earliest dwarf Peas in cultivation, commencing to bear 6½ weeks after planting. They usually grow to a height of from 12 to 15 inches; on account of their dwarf habit they can be planted closer than most other varieties, yielding a greater quantity of peas from a comparatively small space of ground than from almost any other variety. The pods are of medium size and well filled with peas of extra fine quality. Pkt., 10c.; 45c. per lb.; 2 lbs., 80c.; \$1.90 for 5 lbs.; 10 lbs., \$3.50, postpaid.

PEPPER, EARLY NEAPOLITAN

The earliest and sweetest of all large fruited varieties. The strong vigorous plants are completely laden with long handsome fruits and bear continuously until frost. The peppers grow upright until they become so heavy that their own weight turns them down. The skin and flesh are bright red when ripe; thick meated, sweet and mild. See illustration on page 74. Pkt., 10c.; $\frac{1}{2}$ oz., 25c.; 40c. per oz; $\frac{1}{4}$ lb., \$1.25, postpaid.

RADISH, Early Scarlet Globe

A Popular Variety for Forcing or Outdoor Planting.

A very early globe shaped variety and the most popular variety on the market, for hotbed or greenhouse forcing; also valuable for outdoor planting. The radishes are of handsome shape, attractive bright scarlet, and are crisp, solid and of the finest quality. They grow so rapidly that under favorable circumstances they may be pulled in 25 days from sowing the seed; top small. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 70c. per ¼ lb.; per lb., \$2.50, postpaid.

MICHELL'S VEGETABLE SEED SPECIALTIES



Spinach, Market Gardeners

NEW SPINACH MARKET GARDENERS

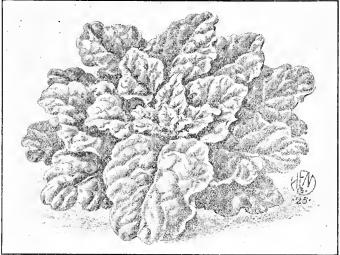
This new variety is the highest perfection of the Spinach family, being a decided improvement on all other kinds. The leaves are broad, heavy and of a dark green, glossy color, very heavily blistered compared to Long Season; it will also stand at least a week or ten days longer without shooting to seed, which is an important factor. The plant is not of the rosette type, standing more erect, and requiring a less number of plants to fill a basket than any other variety. A trial will convince you of the tenderness and superior quality of this variety. Pkt., 10c.; 15c. per ½ oz.; oz., 30c.; \$1.00 per lb.; 5 lbs., \$4.50, postpaid.

SQUASH, BLUE HUBBARD

A sport from the well known Hubbard, resembling the warted Hubbard but excelling it in flavor and dryness. It is a blue gray in color, grows very large and is a heavy cropper; thick meated and of excellent quality. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 60c. per ¼ lb.; per lb., \$2.00; postpaid.

TOMATO, EARLIANA (PENN STATE)

A great improvement on the ordinary variety of Earliana introduced several years ago, and is one of the earliest bright red varieties. Our Improved Strain shows few if any rough fruits which are so often found in other early sorts. Compact in growth, with stout jointed branches; the vines yield well and the fruit is solid and uniform in size and of excellent quality. Our trials of this strain the past two seasons shows it to blossom and bear fruit before other strains and is superior in every way. A trial will convince you of the truth of our statement. Pkt., 10c.; 35c. per ½ oz.; oz., 60c.; \$2.25 per lb., postpaid.



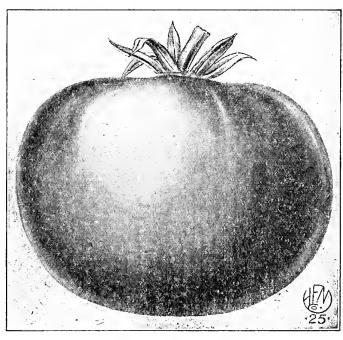
Spinach, King of Denmark

NEW SPINACH KING OF DENMARK

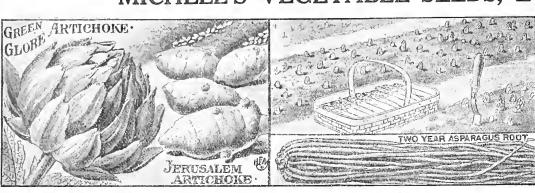
A new summer Spinach, especially desirable for sowing in the early spring. Being a vigorous and rapid grower it is ready for use practically as early as any, and will remain in good eating condition for a long time. The plants are dwarf and stocky with large, rounded, crumpled and blistered leaves, extra large in size and of a deep green color. We believe the distinctive qualities of this variety will win favor for it from both the home and market gardener. Pkt., 10c.; 15c. per oz.; ½ lb., 30c.; \$1.00 per lb.; 5 lbs., \$4.50.

SQUASH, Cocozelle or Italian

A bush variety, with dark green foliage; the fruits are oblong, 12 inches or more in length and 4 to 5 inches in diameter. The skin is dark green, with stripes of a still deeper shade. The young fruit when sliced and fried constitute a vegetable delicacy superior to egg plant. Pkt., 10c.; 20c. per oz.; ½ lb., 60c.; \$2.00 per lb., postpaid.



Tomato, Earliana (Penn State)



ARTICHOKE

Artichaut (Fr.); Artischoke (Ger.); Articiocca (Ital.). 1 oz. will produce about 500 plants. Sow seed in January in the greenhouse, or in hotbeds in March. Transplant when large enough, in rows 3 feet apart, 2 feet apart in the row. Protect the plants in winter by taking them in a cellar or putting in a cold frame; may be left outdoors if protected by straw or leaves.

Green Globe. Pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; oz., 45c.; \$1.50 per 1/4 lb.

ARTICHOKE PLANTS (Ready in April)

We grow a large stock of these, Green Globe. for those who do not care to bother with them from seed; thus they can be assured of an early crop. Pot grown. \$1.75 per doz.; 25 for \$3.25; \$11.00 per 100 (by express only).

ARTICHOKE ROOTS Jerusalem (Ready in April)

Sometimes called the American Artichoke. Used for table and stock feeding. Cut the tubers to single eyes and plant them like potatoes, 3 to 4 feet apart each way, placing three or four tubers in a hill. Leave the tubers in the ground and dig them as wanted; they are hardy. 20c. per lb. (by parcel post, 27c.); 75c. per 5 lbs. (by parcel post, 90c.); 10 lbs., \$1.20 (by parcel post, \$1.50); \$2.75 per 25 lbs.; 50 lbs., \$4.50.

ASPARAGUS

Asperge (Fr.); Spargel (Ger.); Sparagio (Ital.). Sow 5 lbs. per acre for roots, or 1 oz. to 50 feet. A well-cared-for bed improves with age and lasts for many years. It may be established from seed, but much time is saved by planting roots. Seeds should be sown thinly in early spring in rows 1 foot apart. Thin out the weakest plants so the remainder will be 4 inches apart. When so the remainder will be 4 inches apart. 1 year old transplant in the permanent bed in rows 3 ft. apart, setting the roots 1 ft. to $1\frac{1}{2}$ ft. apart, from where it can be cut three years later. "Michell's Practical Garden Pointers" gives full

information and is mailed free. Michell's Giant Argenteuil (French Grown Seed). A marketable shoot or spear is often two inches in diameter and 12 inches long, of which every part when boiled is tender and delicious. Color, white, with a greenish purple tip. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.50 per lb. Barr's Mammoth. Produces heavy, stout spears,

of delicious flavor. Remains green when cooked. Pkt., 10c.; 20c. per oz.; ½ lb. 60c.; \$1.50 per lb. Conover's Colossal. A prolific sort, similar to Barr's Mammoth, but the stalks are a trifle

larger and lighter in color. Pkt., 10c.; 20c. per

rarger and fighter in color. Fkt., 10c.; 20c. per oz.; ½ lb., 60c.; \$1.50 per lb.

Palmetto or Eclipse. One of the earliest; very prolific and finely flavored. Color, green. Pkt., 10c.; 20c. per oz.; ½ lb., 60c.; \$1.50 per lb.

Pedigreed Washington. A rust-resisting variety. For illustration and full description, see page 48, lb., 10c.; 20c. page 48, lb., 20c. per oz.

also color plate. Pkt., 10c.; 30c. per oz.; ¼ lb., \$1.00; \$3.50 per lb.

ANISE

Seed is used for flavoring. Pkt., 10c.; 20c. per

ASPARAGUS ROOTS

(Ready after March 1st)

4000 to 6000 roots are required for an acre. 2-Year-Old Roots Per 25 100 \$1.25 Barr's Mammoth....\$0.50 \$10.00 Conover's Colossal..... 1.25 10.00 1.25 10.00 Palmetto or Eclipse..... .50 1.25 10.00 Washington (New).... 2.00 16.00 .65 (Rust proof)

If above are wanted by parcel post, add 20c. per 25; 25c. per 100 for postage.

3-Year-Old Roots Per 25 100 1000 \$15.00 15.00 2.00 15.00 Palmetto or Eclipse. .65 2.00 15.00 If above are wanted by parcel post, add 20c. per 25; 25c. per 100 for postage.

ACCESSORIES TO ASPARAGUS GROWING

Raffia Tape. A linen and paper composition in 250-yard spools; nile green color. 90c. per bolt (by parcel post, \$1.05); 6 bolts, \$5.00 (by parcel

Asparagus Tape. Fast cherry red color, waterproof; in 1000-yard spools. Per spool, \$5.00

(by parcel post, \$5.15). Raffia. Ideal for tying asparagus in bunches. Natural, 20c. per lb. (by parcel post, 27c.); 5 lbs. for 95c. (by parcel post, \$1.10). Green, \$1.00 per lb. (by parcel post, \$1.07); 5 lbs., \$4:50 (by parcel post, \$4.65).

Jute Twine. For tying asparagus, 2 and 3-ply; soft and pliable. Per ball, 17c. (by parcel post, 22c.); 28c. per lb. (by parcel post, 35c.).

Asparagus Salt. Applied in the spring for destroying weeds, 800 lbs. per acre. \$2.00 per 100 lbs.; 200 lbs., \$3.25; \$13.00 per 1000 lbs.; top \$25.00 ton, \$25.00.

Asparagus Fertilizer. Compounded after a formula recommended by a leading asparagus grower; apply 800 lbs. per acre. In 200-lb. bags, \$5.00; \$22.50 per 1000 lbs.; ton, \$40.00.

ASPARAGUS BUNCHER

It pays to use a buncher. Asparagus is quickly tied and looks uniform. Price, with Knife Guard, \$4.50 (by parcel post, \$4.75).

ASPARAGUS KNIVES

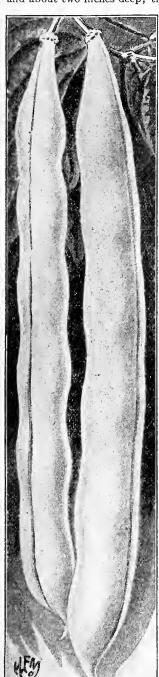
	Ву	P. Post
Fig. 110	0.65	\$0.75
Fig. 110. V-shaped blade, short handle	.65	.75
Fig. 110. V-shaped blade, long handle	.65	.75

A book, entitled Asparagus Culture, by Hexamer, will solve any of the problems that may arise in growing the crop. Price, 90c.



MICHELL'S DWARF

Haricots Nains (Fr.); Buschbohnen (Ger.); Fagiuoli Nani (Ital.). Plant 90 lbs. per acre. 2 lbs. will plant a 100 foot row. Cultural Directions.—A rich, sandy loam suits beans to perfection. Toward the end of April or, still better, in May, sowings may be made and may be repeated every two weeks until August. Have the rows about two feet apart. Sow quite thinly in the row and about two inches deep; thin out to stand four to six inches apart in the rows.



Improved Strain Golden Wax

GREEN-PODDED VARIETIES

Black Valentine. Pods very long and slender, semi-round and well-flavored; slight string when old. Pkt., 10c.; 40c. per lb. (by P. P., 47c.); 2 lbs., 75c. (by P. P., \$5c.); \$1.75 per 5 lbs. (by P. P., \$1.90); 10 lbs., \$3.25 (by P. P., \$3.55); \$7.50 per 25 lbs.

Bountiful. A flat podded sort; stringless, tender and a

prolific bearer. Pkt., 10c.; 40c. per lb. (by P. P., 47c.); 2 lbs., 75c. (by P. P., 85c.); \$1.75 per 5 lbs. (by P. P., \$1.90); 10 lbs., \$3.25 (by P. P., \$3.55); \$7.50 per 25 lbs. **Early Mohawk.** This variety can be planted before any

other sort, being quite hardy; large cropper; flat pod. Pkt., 10c.; 35c. per lb. (by P. P., 42c.); 2 lbs., 65c. (by P. P., 75c.); \$1.50 per 5 lbs. (by P. P., \$1.65); 10 lbs., \$2.75 (by P. P., \$3.05); \$6.50 per 25 lbs.

Extra Early Refugee. An early, fleshy, saddleback pod variety. Pkt., 10c.; 35c. per lb. (by P. P., 42c.); 2 lbs., 65c. (by P. P., 75c.); \$1.50 per 5 lbs. (by P. P., \$1.65); 10 lbs., \$2.75 (by P. P., \$3.05); \$6.50 per 25 lbs.

Full Measure. A stringless variety of excellent quality. Pkt., 10c.; 35c. per lb. (by P. P., 42c.); 2 lbs., 65c. (by P. P., 75c.); \$1.50 per 5 lbs. (by P. P., \$1.65); 10 lbs., \$2.75 (by P. P., \$3.05); \$6.50 per 25 lbs.

Mammoth Stringless. An improvement on Burpee's Green Pod; early round pod, free from string. Pkt., 10c.; 45c. per lb. (by P. P., 52c.); 2 lbs., 90c. (by P. P., \$1.00); \$2.20 per 5 lbs. (by P. P., \$2.35); 10 lbs., \$4.10 (by P. P., \$4.40); \$10.00 per 25 lbs.

Masterpiece. This is a large, flat-podded variety, es-

pecially adapted for growing under glass, though it may be grown successfully outdoors. Pkt., 10c.; 65c. per lb. (by P. P., 72c.); 2 lbs., \$1.20 (by P. P., \$1.30); \$2.25 per 5 lbs. (by P. P., \$2.40); 10 lbs., \$4.25 (by P. P., \$4.55); \$10.00 per 25 lbs.

Red Valentine (Michell's Improved). A carefully se-

lected stock of this well-known variety; it is one of the earliest sorts, maturing often in 45 to 50 days. Pkt., 10c.; 40c. per lb. (by P. P., 52c.); 2 lbs., 75c. (by P. P., 85c.); \$1.75 per 5 lbs. (by P. P., \$1.90); 10 lbs., \$3.25 (by P. P., \$3.55); \$7.75 per 25 lbs.

*Stringless Green Pod (Michell's Improved Strain).

Even when the pod has become quite old it still retains its stringless qualities. Very early, prolific and a continuous bearer. Round pods often seven inches long. Pkt., 10c.; 25c. per ½ lb. (by P. P., 30c.); lb., 45c. (by P. P., 52c.); 90c. per 2 lbs. (by P. P., \$1.00); 5 lbs., \$2.20 (by P. P., \$2.35); \$4.10 per 10 lbs. (by P. P., \$4.40); 25 lbs., \$10.00.

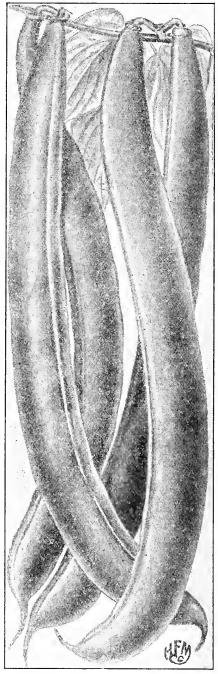
Triumph of the Frames. Splendid for forcing under

glass, producing a long, narrow, tender pod. Pkt., 10c.; 65c. per lb. (by P. P., 72c.); 2 lbs., \$1.20 (by P. P., \$1.30); \$2.25 per 5 lbs. (by P. P., \$2.40); 10 lbs., \$4.25 (by P. P., \$4.55); \$10.00 per 25 lbs.

YELLOW-PODDED VARIETIES

Black Wax (Pencil Pod Strain). A round-podded, hardy sort, entirely stringless, very early. Pkt., 10c.; 40c. per lb. (by P. P., 47c.); 2 lbs., 75c. (by P. P., 85c.); \$1.75 per 5 lbs. (by P. P., \$1.90); 10 lbs., \$3.25 (by P. P., \$3.55); \$7.75 per 25 lbs.

Currie's Rust-proof Wax. An improved type; extra early; large yielder; long, thick, flat pods. Pkt., 10c.; 40c. per lb. (by P. P., 47c.); 2 lbs., 75c. (by P. P., 85c.); \$1.75 per 5 lbs. (by P. P., \$1.90); 10 lbs., \$3.25 (by P. P., \$3.55); \$7.75 per 25 lbs.



Black Valentine

Sure Crop Stringless Wax. Very early and productive and very hardy, resisting rust and disease with impunity; pods long, thick

nardy, resisting rust and disease with impunity; pods long, thick and flat; a splendid variety. Pkt., 10c.; 45c. per lb. (by P. P., 52c.); 2 lbs., 85c. (by P. P., 95c.); \$2.10 per 5 lbs. (by P. P., \$2.25); 10 lbs., \$4.10 (by P. P., \$4.40); \$10.00 per 25 lbs.

Unrivaled Wax. Pods long, flat, tender and of excellent quality; early. Pkt., 10c.; 45c. per lb. (by P. P., 52c.); 2 lbs., 85c. (by P. P., 95c.); \$2.10 per 5 lbs. (by P. P., \$2.25); 10 lbs., \$4.10 (by P. P., \$4.40); \$10.00 per 25 lbs.

Wardwell's Kidnev Wax. A favorite market bean long thick

Wardwell's Kidney Wax. A favorite market bean; long, thick, flat pods in great abundance; one of the best medium early sorts; excellent quality; free from rust. Pkt., 10c.; 45c. per lb. (by P. P., 52c.); 2 lbs., 85c. (by P. P., 95c.); \$2.10 per 5 lbs. (by P. P., \$2.25); 10 lbs., \$4.10 (by P. P., \$4.40); \$10.00 per 25 lbs.

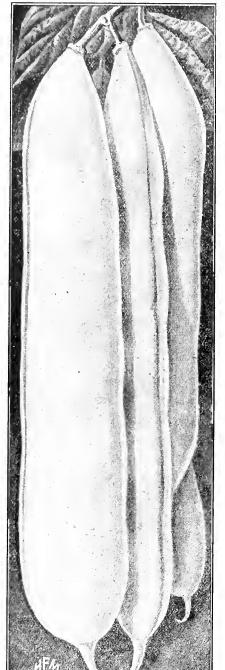
Golden Wax Rust Proof (Michell's Improved Strain). type far surpasses the old favorite in many points; the plants are very vigorous and rust-resisting. Pkt., 10c.; 25c. per ½ lb. (by P. P., 30c.); lb., 45c. (by P. P., 52c.); 90c. per 2 lbs. (by P. P., \$1.00); 5 lbs., \$2.20 (by P. P., \$2.35); \$4.10 per 10 lbs. (by P. P., \$4.40); 25 lbs., \$10.00.

Refugee Wax. Round-podded, entirely stringless and of exceptional flavor. Pkt., 10c.; 45c. per lb. (by P. P., 52c.); 2 lbs., 85c. (by P. P., \$2.0); \$2.00 per 5 lbs. (by P. P., \$2.15); 10 lbs., \$3.75 (by P. P., \$4.05); \$8.75 per 25 lbs.

Round-podded Kidney Wax. A vigorous grower, producing fleshy pods, stringless and rust-proof. Pkt., 10c.; 45c. per lb. (by P. P., 52c.); 2 lbs., 85c. (by P. P., 95c.); \$2.10 per 5 lbs. (by P. P., \$2.25); 10 lbs., \$4.10 (by P. P., \$4.40); \$10.00 per 25 lbs. type far surpasses the old favorite in many points; the plants

MICHELL'S POLE BEANS (Not Limas)

Haricots a Rames (Fr.); Stangenbohnen (Ger.); Fagiuoli (Ital.).



Plant when all danger of frost or cold nights is over. Plant as you would limas, in hills 4 feet apart each way, about 4 or 5 beans to the hill, eyes downward. up and established, thin out to 3 plants in a hill. Plant about 20 lbs. to the acre.

Pole Beans are not accorded in the north the same attention they deserve and receive in the southern part of the United States, where they are found in practically every garden. They are frequently more tender, and yield larger crops than dwarf sorts. One planting lasts usually for the season.

*Early Golden Cluster Wax. A beautiful deep yellow pod, flat and frequently 8 inches long; makes a delicious dish as a butter bean or for pickling; quite string-less and matures in about 85 days. It is a heavy yielder, the pods being borne in large clusters. The best of the pole beans and a splendid variety for the home garden. Pkt., 10c.; 20c. per ½ lb. (by P. P., 25c.); lb., 35c. (by P. P., 42c.); 65c. per 2 lbs. (by P. P., 75c.); 5 lbs., \$1.50 (by P. P., \$1.65); \$2.75 per 10 lbs. (by P. P., \$3.05); 25 lbs., \$6.50.

Scarlet Runner (Green Pod). While used principally for its gaussian scaling the life of the polysic statics.

for its flowering qualities, this makes a splendid winter shell bean. The bright red flowers are an attraction when the vine is used for covering arbors, trellis, fences, posts, etc. Pkt., 10c.; 35c. per lb. (by P. P., 42c.); 2 lbs., 65c. (by P. P., 75c.); \$1.50 per 5 lbs. (by P. P., \$1.65); 10 lbs., \$2.75 (by P. P., \$3.05); \$6.50 per 25 lbs. *Kentucky Wonder (Old Homestead). Green Pod. In

the South this variety is grown more extensively probably than any other; a tremendous yielder of long, round pods, very tender and practically stringless; the best of the green pole beans. It is quite early, being ready for picking about 85 days from planting. Pkt., 10c.; 25c. per ½ lb. (by P. P., 30c.); lb., 40c. (by P. P., 47c.); 75c. per 2 lbs. (by P. P., 85c.); 5 lbs., \$1.65 (by P. P., \$1.80); 10 lbs., \$3.10 (by P. P., \$3.40).

DWARF VARIETIES OF SHELL BEANS—For Winter Use

If there is vacant space in the garden it always pays to plant some of these varieties. For soups, baked beans, etc., they are always useful. They can be used in the green state like other sorts when picked very young, but for the first named purpose they are the best.

Boston Navy or Pea. For soup and baking purposes. 10c. per pkt.; per lb., 30c. (by P. P., 37c.); 55c. per 2 lbs. (by P. P., 65c.); 5 lbs., \$1.25 (by P. P., \$1.40); \$2.25 per 10 lbs. (by P. P., \$2.55); 25 lbs., \$5.25.

Broad Windsor. An English bean used in the dry state shelled. Plant in rows about 3 feet apart, about 8 indeed apart, about 8

inches apart in the row. Pkt., 10c.; 40c. per lb. (by P. P., 47c.); 2 lbs., 75c. (by P. P., 85c.); \$1.75 per 5 lbs. (by P. P., \$1.90); 10 lbs., \$3.25 (by P. P., \$3.55); \$7.50 per 25 lbs.

French Dwarf Horticultural. Produces an abundance of long pods which are splashed with crimson. Pkt., 10c; 45c. per lb. (by P. P., 52c.); 2 lbs., 85c. (by P. P., 95c.); \$2.00 per 5 lbs. (by P. P., \$2.15); 10 lbs., \$3.75 (by P. P., \$4.05); \$8.50 per 25 lbs.

Red Kidney. A well-known variety; pods long, kidney-shaped, light red in color and of good quality.

Pkt., 10c.; 30c. per lb. (by P. P., 37c.); 2 lbs., 55c. (by P. P., 65c.); \$1.25 per 5 lbs. (by P. P., \$1.40); 10 lbs., \$2.25 (by P. P., \$2.55); \$5.25 per 25 lbs.

White Marrowfat. Pkt., 10c.; 35c. per lb. (by P. P., 42c.); 2 lbs., 65c. (by P. P., 75c.); \$1.50 per 5 lbs. (by P. P., \$1.60); 10 lbs., \$2.75 (by P. P., \$3.05); \$6.25 per 25 lbs.

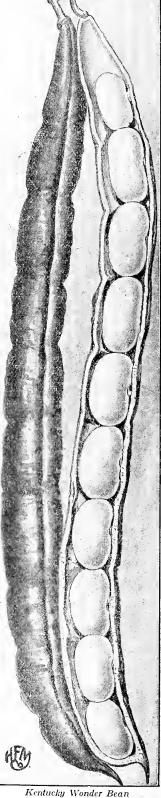
Dwarf Horticultural. One of the best early shell beans grown; the thick, flat, stringless pods are colored red and green; the bean is large, round and speckled. Pkt., 10c.; 40c. per lb. (by P. P., 47c.); 2 lbs., 75c. (by P. P., 85c.); \$1.75 per 5 lbs. (by P. P., \$1.90); 10 lbs., \$3.25 (by P. P., \$3.55); \$7.50 per 25 lbs.

PLEASE NOTE.—Only varieties of Beans marked * can be supplied in ½-lb. pkgs. CEDAR BEAN POLES (Pointed). Extra selected quality, about 10 feet long. 12 for \$2,25; 25 for \$4.00; 50 for \$7.75; \$15.00 per 100.

NITROGEN BACTERIA FOR BEANS

If you want your bean patch to yield earlier and better, inoculate the seed before planting with nitrogen bacteria. We offer the following Brands: Mulford Germ. Trial size, 35c.; 75c. per ¼ acre size, I acre size, \$1.50. Farmogerm. ¼ acre size, 50c.; \$1.00 per one acre size. See page 84.

When ordering, be sure and specify wanted for garden beans, as each leguminous crop requires a separate culture.



MICHELL'S LIMA BEANS

Haricots a rames (Fr.); Stangenbohnen (Ger.); Fagiuoli di Lima (Ital.). POLE VARIETIES

2 pounds will plant 100 hills; 25 to 30 pounds per acre. Plant when all danger of frost or cold nights is over with the eye of the bean down. Don't be afraid to put a liberal number in a hill, as this is cheaper than replanting. When up and established, thin out to 3 or 4 plants in a hill. The poles should be set as soon as the garden is made in rows about 3 feet apart, with the poles about 3 feet apart in the row. It is a good plan to put a small shovelful of well-rotted cow manure in each hill when the poles are set, so the beans when started will make rapid growth and mature early.

Carpinteria. A variety that retains its green color in all stages of growth, even after being dried; with this it combines wonderful prolificness, flavor, and size; a good early variety; 4 to 5 beans in a pod. Pkt., 10c.; 45c. per lb. (by P. P., 52c.); 2 lbs., 85c. (by P. P., 95c.); \$2.10 per 5 lbs. (by P. P., \$2.25); 10 lbs., \$4.10 (by P. P., \$4.40); \$9.50 per 25 lbs.

Dreer's Improved Potato or Challenger. Early and more prolific than the Large Lima; beans small; extra quality. Pkt., 10c.; 45c. per lb. (by P. P., 52c.); 2 lbs., 85c. (by P. P., 95c.); \$2.10 per 5 lbs. (by P. P., \$2.25); 10 lbs., \$4.10 (by P. P., \$4.40); \$9.50 per 25 lbs.

Giant Podded. This variety is fully a week earlier than King of the Garden. prodigious cropper, producing its pods in large clusters; these are well filled with large beans of excellent quality. Pkt., 10c.; 45c. per lb. (by P. P., 52c.); 2 lbs., 85c. (by P. P., 95c.); \$2.10 per 5 lbs. (by P. P., \$2.25); 10 lbs., \$4.10 (by P. P., \$4.40); \$9.50 per 25 lbs.

*King of the Garden. Pods are of enormous size, many specimens measuring from 5 to 8 inches and producing as high as six beans to the pod, perfectly formed and of superior quality. Pkt., 10c.; 25c. per ½ lb. (by P. P., 30c.); lb., 45c. (by P. P., 52c.); 85c. per 2 lbs. (by P. P., 95c.); 5 lbs., \$2.10 (by P. P., \$2.25); \$4.10 per 10 lbs. (by P. P., \$4.40); 25 lbs., \$9.50.

Michell's Evergreen. This remarkable pole lima equals the earliest for earliness, is

Michell's Evergreen. This remarkable pole lima equals the earliest for earliness, is far more productive than any other, and retains at all times a beautiful green color. Pods contain on the average 5 to 6 beans. Pkt., 10c.; 45c. per lb. (by P. P., 52c.); 2 lbs., 85c. (by P. P., 95c.); \$2.10 per 5 lbs. (by P. P., \$2.25); 10 lbs., \$4.10 (by P. P., \$4.40); \$9.50 per 25 lbs.

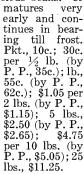
BUSH OR DWARF VARIETIES

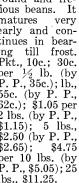
Bush Limas should be planted for early crops, as they come into bearing much sooner, although they are not so pro-lific as the pole varieties. They are usually planted in rows about 3 feet apart, while the beans are put in hills about 2 feet apart, about 3 beans to the hill.

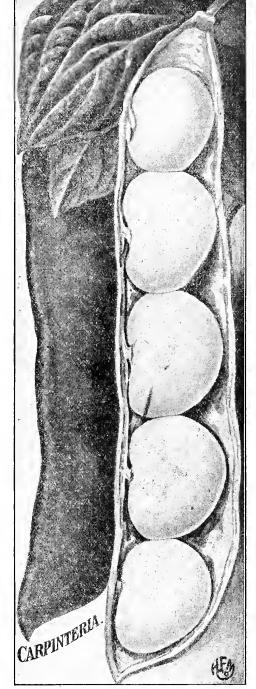
Burpee's Improved Bush Lima. This is so far ahead of the old strain of Burpee's Bush Lima that it should be used instead; the bean is thicker, sweeter, and more prolific. Pkt., 10c.; 55c. per lb. (by P. P., 62c.); 2 lbs., \$1.05 (by P. P., \$1.15); \$2.50 per 5 lbs. (by P. P., \$2.65); 10 lbs., \$4.75 (by P. P., \$5.05); \$11.25 per 25 lbs.

*Fordhook. This is the best type of bush lima in cultivation; it has a distinct weight investment of the set of t

tion; it has a distinct upright vigorous growth; the pods are borne in clusters well above the ground and frequently contain as many as 4 thick luscious beans. It







Hendersons. A dwarf, compact growing variety, with large clusters of pods, containing very small flat beans; this is a favorite sort for canning. Pkt., 10c.; 40c. per lb. (by P. P., 47c.); 2 lbs., 75c. (by P. P., 85c.); \$1.75 per 5 lbs. (by P. P., \$1.90); 10 lbs., \$3.25 (by P. P., \$3.55); \$7.75 per 25 lbs.

Wilson's Improved (New). Claimed to be two weeks earlier than Burpee's Improved Bush Lima; it also is much more prolific, though the pod nor the bean is quite as large. Pkt., 10c.; 50c. per lb. (by P. P., 57c.); 2 lbs., 90c. (by P. P., \$1.00); \$2.10 per 5 lbs. (by P. P., \$2.25); 10 lbs., \$4.10 (by P. P., \$4.40); \$9.50 per 25 lbs.



Fordhook Bush Lima

Only Varieties of Beans marked * can be supplied in 1/2 lb. packages.

MICHELL'S CHOICE BEET SEED

Betterave (Fr.); Salatrube (Ger.); Barbabietola (Ital.). One ounce will sow a row 50 ft. long; 5 lbs. per acre.

Sow in drills one foot apart and one inch deep, as early as the ground can be worked; when the plants are large enough thin out to stand four inches apart in the row. For an early crop in hotbeds the seed should be sown in early March, while for a winter supply sow about July 10th outdoors. Prices of all seeds on this page include mailing charges.

Arlington Favorite. Extra early; exceedingly sweet; rich blood red. Pkt., 10c.; 20c. per oz.; ¼ lb., 50c.; \$1.50 per lb.

Bassano Extra Early. A flat variety; flesh white and rose colored. Pkt., 10c.; 20c. per oz.; ¼ lb., 50c.; \$1.50 per lb.

Bastian's Early Blood Turnip. The best beet for market and facility and rose colored.

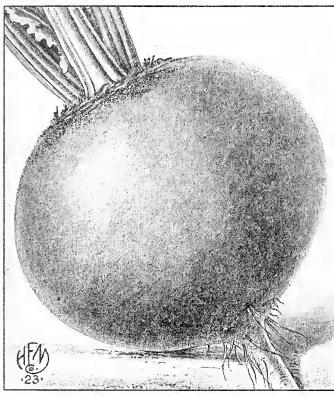
family use; grows quite large; turnip-shaped. Pkt., 10c.; 20c. per oz.; 1/4 lb., 60c.; \$1.50 per lb.

Bastian's Half Long Blood. Used extensively for winter use. Pkt., 10c.; 20c. per oz.; 14 lb., 60c.; \$1.75 per lb.

Crimson Globe. Almost round in shape, a rich deep red color;

it has a distinct delicious flavor and is very tender; good for sowing early for forcing and summer use. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.50 per lb.

Crosby's Egyptian. One of the earliest beets; especially desirable on account of its rich blood-red color throughout and its extreme tenderness. An early spring and winter variety and a good keeper. Pkt., 10c.; 20c. per oz.; ¼ lb., 65c.; \$2.00 per lb.



Beet, Detroit Dark Red (Special Strain)

Detroit Dark Red (Michell's Special Strain). The seed of this variety is a careful re-selection from the choicest, most uniform roots; it will be found superior to the usual type of Detroit Beet and we recommend it in the highest of terms. Pkt., 10c.;

25c. per oz.; ¼ lb., 75c.; \$2.50 per lb. Detroit Dark Red (Regular Strain). Pkt., 10c.; 20c. per oz.;

1/4 lb., 60c.; \$1.75 per lb.

Early Wonder. An extra early variety; globe shaped; flesh deep blood red and very tender. See illustration on page 48. Pkt., 10c.; 30c. per oz.; ¼ lb., \$1.00; \$3.00 per lb.
Eclipse. Perfectly smooth and round; skin and flesh intense red.

An excellent sort for forcing or for planting in the garden. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.75 per lb.

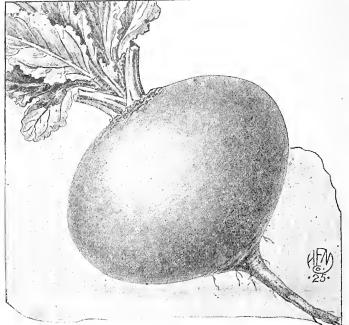
Lentz Early. Fine for sowing in hotbeds and outdoors early. It

is a desirable winter variety also; blood-red. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 50c.; \$1.50 per lb.

Michell's Ideal (New). A splendid turnip-shaped beet of rich, blood-red color; fine grained and very tender. Pkt., 10c.; 25c.

per oz.; ¼ lb., 75c.; \$2.50 per lb.

Michell's Winter Keeper (New). Globe shaped; rich red, tender and sweet; one of the best winter varieties. Pkt., 10c.; 25c. per oz.; ¼ lb. 75c.; \$2.50 per lb.



Beet, Crosby's Egyptian

SWISS CHARD, GIANT LUCULLUS Pkt., 10c.; 20c. per oz.; per ½ lb., 55c.; \$1.25 per lb.

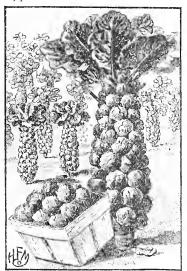
BEETS

Mangel Wurzel or Cattle Varieties. (See page 67.) BASIL (Herb) Pkt., 10c.; 20c. per oz.

BORAGE (Herb) Pkt., 10c.; 15c. per ½ oz.; oz., 25c. BROCCOLI

Broccoli (Fr.); Sparkelkohl (Ger.); Broculi (Ital.). One ounce will produce 3000 plants.

A vegetable resembling cauliflower and often grown where the latter does not thrive. Cultural method is much the same. White Cape. Pkt., 10c.; 30c. per ½ oz.; oz., 50c.; \$1.75 per 1/4 lb.



Brussels Sprouts

BRUSSELS SPROUTS

Chou de Bruxelles (Fr.): Rosekohl (Ger.); Berza de Brussels (Ital.).

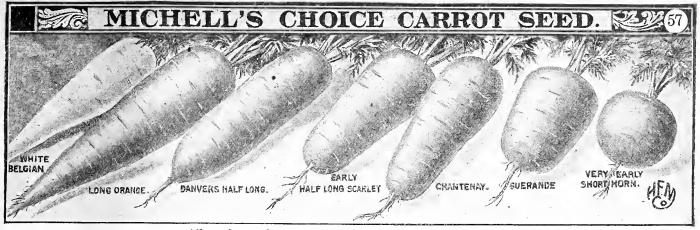
One ounce will produce about 3000 plants.

Sow seed about May 15th; transplant when about 4 ins. high in rows 3 feet apart, 2 feet apart in the row. When heads begin to crowd, the lower leaves should be broken from the stem of the plant to give them plenty of room. They are best for cooking after they have had a slight frost.

Long Island Half Dwarf. Compact heads; very productive. Pkt., 10c.; 15c. per ½ oz.; oz., 30c.; 80c. per ¼ lb.; lb., \$2.50.

Matchless Improved. Pkt., 10c.; 15c. per ½ oz.; oz., 30c.; 80c. per ¼ lb.; lb., \$2.50.

BRUSSELS SPROUTS PLANTS (Ready in July) 25 for 30c. (by parcel post, 40c.); 85c. per 100 (by parcel post, \$1.00); per 1000, \$6.50.



All seeds on this page mailed postpaid at quoted prices.

Carotte (Fr.); Mohruben (Ger.); Carota (Ital.) One ounce will sow 100 ft. of drill; 3 to 4 lbs. per acre.

For an early crop sow as soon as danger from frost is over in rows 1 foot apart; when 2 inches high, thin out to stand 2 inches apart in the row. For a late crop sow in May or June. The long sorts should be sown early; the half-long and round sorts can be sown later.

Chantenay Half Long. Orange scarlet color; very productive; especially desirable for market or home use. The flesh is tender,

and finely grained; 5 inches long, stump-rooted. Pkt., 10c.; 25c. per oz.; 1/2 lb., 70c.; \$2.00 per lb.

Danvers Half Long. The best variety for general crop; rich orange color; a very heavy yielder and splendid keeper; a first class carrot for all soils, and valuable both for table and stock; 6 to 7 inches long, stump-rooted. An extra fine strain of this

favorite sort. Pkt., 10c.; 25c. per oz.; ¼ lb., 70c.; \$2.00 per lb. Early Half Long Scarlet. A very desirable stump-rooted variety, coming in between the Scarlet Horn and the Long Orange; early, of fine flavor and good color; can be sown in hotbeds for early use, for which purpose it is very good; 5 to 6 inches long. Pkt., 10c.; 25c. per oz.; ¼ lb., 70c.; \$2.00 per lb.

Early Scarlet Horn. A favorite early red variety; fine grain

and good flavor; stump-rooted, about 6 inches long; ideal for soups. Pkt., 10c.; 25c. per oz.; 1/4 lb., 70c.; \$2.00 per lb. Guerande or Oxheart. A desirable variety on soils too hard and

stiff for the longer growing sorts, as it is not over 3 to 4 inches long. It has a very fine flavor and is colored a rich orange. Pkt., 10c.; 25c. per oz.; ¼ lb., 70c.; \$2.00 per lb.

Improved Long Orange (Michell's Special Strain). Deep orange

color; 10 inches long; good flavor; yields heavily; is of excellent table quality and is also the best for stock feeding. Pkt., 10c.;

25c. per oz.; ¼ lb., 70c.; \$2.00 per lb.

Orange Beauty. A first-class carrot in every respect. This variety is a special selection of a popular sort, which it excels in

every way; a beautiful shade of orange; point rooted. Pkt., 10c.; 25c. per oz.; ¼ lb., 70c.; \$2.00 per lb.

Rubicon Half Long. The best in shape, and its deep red orange-colored flesh is of finest quality; stump-rooted. It is earlier than the Danvers and about the same length; extremely well adapted for early forcing and for growing outside. Pkt., 10c.; 25c. per oz.; ¼ lb., 70c.; \$2.00 per lb.

Very Early Short Horn Scarlet or French Forcing. An early forcing variety; small round root, not much larger than a radish. For stewing alone or when served with new peas, it is a rare delicacy hard to imagine unless you have eaten thereof. It may be sown outdoors as well as under glass. Pkt., 10c.; 25c. per oz.; 1/4 lb., 70c.; \$2.00 per lb.

White Belgian. Used principally for stock, not being desirable for table; produces a long thick white root. It is also used for soiling or turning under, being a valuable humus maker. It is about 8 to 10 inches long with a green top. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 50c.; \$1.25 per lb.

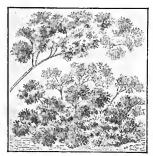
HIVES (Schnittlauch)

Indispensable for flavoring certain dishes, imparting a mild taste of onion. The plants are hardy and will last for years; don't cut the plant too close when gathering. For winter use, lift and plant in a pot or box and place in a sunny window in the kitchen.

Seed. Pkt., 15c.; 25c. per ½ oz.; oz., 40c. Strong Plants. 3 for 50c. (by parcel post, 60c.); \$1.50 per doz. (by parcel post, \$1.65); \$10.00 per 100.

CORIANDER (Herb)

For flavoring, etc. Pkt., 10c.; 20c. per oz.



Double Curled Chervil

CHERVIL

One ounce will sow a row 50 feet long.

An aromatic plant used extensively in Europe as a salad garnishing and seasoner. adds a flavor that is entirely its own. When chopped fine and scattered on buttered potatoes it is a rare treat. American gardeners should become familiar with this, as they are missing one of the best things that grow. Sow it in a row like parsley, which it somewhat resembles. For a continuous

crop, sow every two weeks; if one has heated frames or a greenhouse it can be sown under glass all winter or in hotbeds in February. It can be cut 4 or 5 weeks after sowing.

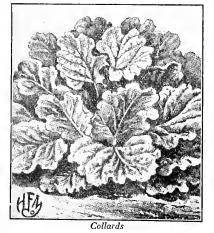
Double Curled. Pkt., 10c.; 20c. per oz.; ½ lb., 60c.; \$1.50 per lb.

CHICORY

Witloof. The roots are easily produced from seed, sown in May or June, in rows as one would Endive. They are taken up after a few hard frosts and cared for the same as Turnips or similar crops. Used only as a winter vegetable, the top part only being edible. Plant under a bench in the greenhouse or a light, dry, warm portion of a cellar in a bed of rich garden soil 12 inches deep. Place about 6 inches apart each way. The top growth 6 inches apart each way. The top growth remains intact, and may be cut any time after 5 inches growth. Roots should be set in the soil the same depth as they were originally in the garden. A continuous supply of this delicious winter vegetable can be had from December 1st to April 1st. A cold frame makes also an ideal place for forcing them in the late winter or early spring months. Pkt., 10c.; 25c. per oz.; ¼ lb., 75c.; \$2.50 per lb.



Witloof



COLLARDS

One ounce of seed will produce 3000 plants.

These are extensively grown in the south and used as greens during the winter months. In that latitude the plant is practically hardy. The lower leaves are pulled off and used, when new ones then form on the upper part of the stem, which increases in height. Planted much like cabbage.

Georgia or Southern. Pkt., 10c.; 20c. per oz.; 1/4 lb., 60c.; \$1.50 per

MICHELL'S CHOICE CABBAGE SEED

Chou pomme (Fr.); Kopf Kohl (Ger.); Cavolo Cappuccio (Ital.)

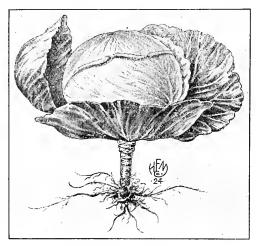
One ounce will produce about 3,000 plants; 4 ozs. will produce enough for an acre.

Our strains are the very best to be had, selected from specimen heads in well rogued fields. Sow seeds of the early varieties in February in hotbeds, and transplant latter part of April or early in May to open ground, or an early sowing in open ground can be made as soon as weather will permit. Set the plants in rows 2 feet apart, and 12 to 18 inches apart in the row. The second early varieties sow in April and transplant in May; late varieties, sow in May and transplant in July, setting plants in rows 3 feet apart and 2 feet in rows. Never plant cabbage in the same location two years in succession.

All seeds on this page mailed post free.

EARLY VARIETIES

All Head. The largest of the early cabbages. The head is roundish flat and remarkably solid; excellent for winter as well as early spring. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.20 per ¼ lb.; lb., \$4.00.



Cabbage, Babyhead

Babyhead. An excellent variety of cabbage, characterized especially by its extreme earliness and the small size of the heads, which is usually less than six inches across, round, firm and of splendid cooking quality; has a very short stem and on account of the few small outer leaves the plants may be set as close as 8 to 10 inches apart. It is an ideal variety for growing under glass and early open ground planting. Pkt., 15c.; 40c. per ½ oz.; oz., 75c.; \$2.75 per ½ lb.

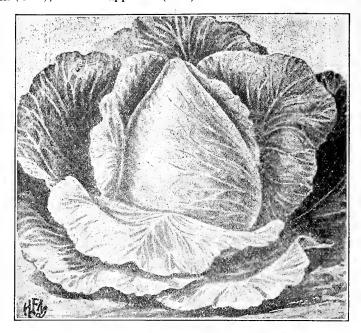
Copenhagen Market. The earliest round variety in cultivation. The heads frequently weigh as much as 10 lbs. In this variety we offer a splendid sort, which should be planted by every cabbage grower. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.20 per ¼ lb.; lb., \$4.00.

Henderson's Early Summer. The leaves have a more bluish cast than the other cabbages; the heads are roundish flat. A fine variety for following the early types; makes a splendid solid head. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.20 per ¼ lb.; lb., \$4.00.

Charleston or Large Wakefield. Similar to the Early Wakefield, but the heads are more blunt, equally as solid, while it grows almost twice the size and matures one week later. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.20 per ¼ lb.; lb., \$4.00.

PE-TSAI (Chinese or Celery Cabbage)

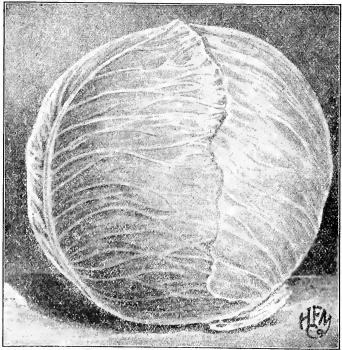
This resembles in appearance and growth a head of Cos Romaine or Celery Lettuce. The heads are very firm, almost like cabbage. The flavor is delightful, not at all like cabbage, but rather on the order of Witloof Chicory or French Endive. Can be planted as a spring or autumn crop. May be forced in a cold frame. The plants are handled much like lettuce, except that they should be set from 15 to 18 inches apart, the rows 2 to $2\frac{1}{2}$ feet apart. Pkt., 10c.; 15c. per $\frac{1}{2}$ oz.; oz., 30c.; 100 per $\frac{1}{4}$ lb.; lb., 3.50.



Extra Early Jersey Wakefield Cabbage

Extra Early Jersey Wakefield (Improved Strain). The finest type of early cabbage in existence; a great improvement over the regular strain. It produces uniform pointed heads, and should be sown by every private and market gardener. The outer leaves form a protection for the heads, which enables it to be set out earlier than other sorts. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.20 per ½ lb.; lb., \$4.00.

A book on the Culture of CABBAGE AND CAULI-FLOWER, by Allen; comprehensive, interesting and instructive, 90c. postpaid.



Danish Ball Head (See page 59)

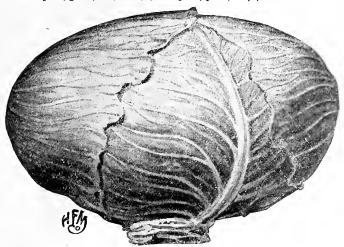
MICHELL'S CHOICE CABBAGE SEED—Continued

LATE OR WINTER VARIETIES

All Seasons (Vandergaw). A very large head, round and solid. Valuable for late summer or winter use. Pkt. 10c.; 20c. per

½ oz.; oz., 35c.; \$1.20 per ¼ lb.; lb., \$4.00.

Danish Ball Head (Michell's Improved Strain). This excellent winter cabbage is unequaled for its keeping qualities, massiveness and weight. For boiling, cold slaw, sauer kraut, etc., it is ideal, being crisp, tender and sweet. One of its virtues is that it does well under most any condition of moisture or drought; heads seldom burst. See illustration, page 58. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.20 per ¼ lb.; lb., \$4.00.



Late Flat Dutch Cabbage

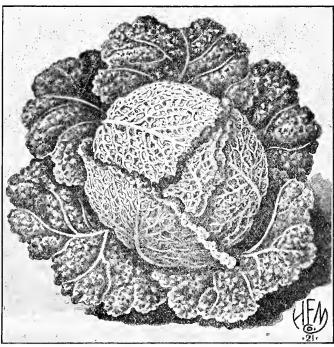
Late Flat Dutch (Improved Strain). This has been selected especially for our trade, the seed being taken from the finest types of heads which are selected for solidity and uniformity. In a row or field of this strain every head appears uniform and its excellence is apparent. There is no better keeping cabbage

in existence, being very solid. Pkt. 10c.; 20c. per ½ oz.; oz., 35c.; \$1.20 per ¼ lb.; lb., \$4.00.

Red Dutch. A red variety, used extensively for pickling. When cooked with a little port wine and sugar added to it, makes a dish fit for a king. For cold slaw it has merits over the white kinds. It is principally used for winter, keeping well until spring. Pkt., 10c.; 15c. per ½ oz.; oz., 30c.; \$1.00 per ¼ lb.;

lb., \$3.50.

NOTE.—All seeds on this page sent postpaid at quoted prices.



Perfection Drumhead Savoy Cabbage

Perfection Drumhead Savoy. A beautifully crimped-leaved sort; color, a deep glossy green. The head is almost round. Savoy cabbage is distinctly flavored, being much sweeter than the other kinds. We recommend it as being one of the best cabbages of its kind grown for either market or home use. Pkt., 10c.; 25c. per ½ oz.; oz., 45c.; \$1.50 per ¼ lb.; lb., \$5.00.

CABBAGE PLANTS

Hotbed grown	\$0.75	\$0.90	\$6.50
Cold-frame grown	1.00	1.15	8.50
Field grown	75	.90	5.50
	Cold-frame grown	Hotbed grown \$0.75 Cold-frame grown 1.00	

CARAWAY (Herb)

For flavoring, etc. Pkt., 10c.; 20c. per oz.

CATNIP (Herb)

For making tea; a cat tonic, etc. Pkt., 20c.

CAULIFLOWER

Choux Fleurs (Fr.); Blumenkohl (Ger.); Cavol Fiora (Ital.) One ounce of seed will produce about 3,000 plants.

Sow seeds in hotbeds or window boxes in February or March and transplant in cold frames. When hard frosts are over plant outdoors. For second crop, sow in April and set out in May. For late crop, sow in June and set out in July. Plants should be set in rows 3 feet apart, 2 feet apart in the row.

Danish Giant. An ideal variety for summer use; stands drought and heat better than other sorts; heads snow white. Pkt., 25c.; 50c. per large pkt.; $\frac{1}{4}$ oz., \$1.00; \$1.75 per $\frac{1}{2}$ oz.; oz., \$3.25.

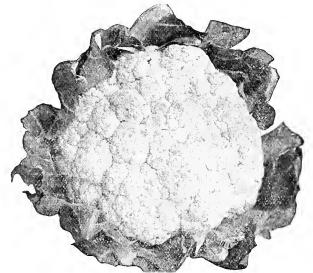
Early Snowball. For either forcing under glass in cold frames or outdoor spring planting, producing magnificent medium size white heads. Pkt., 25c.; 50c. per large pkt.; $\frac{1}{4}$ oz., \$1.00; \$1.75 per $\frac{1}{2}$ oz., 52.; oz., \$3.25.

Half Early Paris. A small head; suited to growing outdoors only. Pkt., 15c.; 50c. per 1/4 oz.; 85c. per 1/2 oz.; oz., \$1.50.

Michell's Earliest Snowstorm. Colossal heads of purest white, averaging often 10 inches in diameter; especially desirable for its earliness under glass, but does equally well in late spring, summer, or autumn outdoors. Pkt., 25c.; 50c. per large pkt.; ¼ oz., \$1.00; \$1.85 per ½ oz.; oz., \$3.50.

Michell's Special Strain Selected Erfurt. One of the earliest

varieties; head not as large as the Snowstorm sort. Pkt., 25c.; 50c. per large pkt.; $\frac{1}{4}$ oz., \$1.00; \$1.75 per $\frac{1}{2}$ oz.; oz., \$3.25.

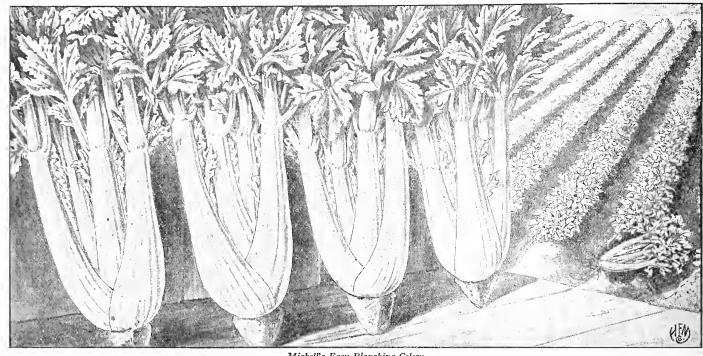


Michell's Earliest Snowstorm Cauliflower

CAULIFLOWER PLANTS (Ready April 1st)

Snowball variety only. Spring plants from hotbeds. 25c. per doz. (by parcel post, 35c.); per 100, \$1.75 (by parcel post, \$1.95)

Snowball variety only. Pot-grown plants. 75c. per doz.; per 100, \$5.00. Not mailable.



Michell's Easy Blanching Celery

Celeri (Fr.); Sellerie (Ger.); Sedano (Ital.).

One ounce of Seed will produce 3000 to 5000 plants; half pound is sufficient for one acre.

Sow in hotbeds in March or in open ground in April. See that no weeds infest the seed bed; when 3 inches high transplant in a bed outdoors in rows 3 inches apart each way; let them remain there until July when they should be planted where they are to mature, in rows 3 feet apart, 6 inches apart in the row. Celery Plants if topped a few times before and when transplanted into their permanent growing place will make shorter, stockier plants. Seeds offered on this page mailed at quoted prices.

EARLY VARIETIES

Easy Blanching (Private Stock, Penna. Grown). This is a very much improved type of Easy Blanching Celery, being superior in every way. The flavor is delicious, stalk very large and fine grained, the color all that can be desired. Plants set out in June are fully matured and ready for use the early part of September. The seed is grown for us by one of the leading Market Gardeners of Penna. who has made a specialty of celery for many years. Pkt., 15c.; \$1.00 per $\frac{1}{2}$ oz.; oz., \$1.75; \$6.00

Easy Blanching. A splendid first early variety, being ready in October; produces enormous stalks which are very crisp. Pkt.,

10c.; 30c. per ½ oz.; oz., 50c.; \$1.50 per ¼ lb.

Golden Plume. Matures very early; blanches very quickly; of finest flavor and without strings. Pkt., 20c.; \$1.75 per ¼ oz.; $\frac{1}{2}$ oz., \$3.00; \$5.00 per oz.

Golden Self Blanching (French Grown Seed). One of the earliest and most productive sorts. The beautiful golden-colored stalks attain a height of 18 inches, which are never pithy, and of excellent flavor; ready in October, but may be kept for early winter use. Pkt., 15c.; 75c. per ½ oz.; oz., \$1.25; \$4.00 per ¼ lb. Golden Self Blanching (American Grown Seed). Pkt., 10c.; 30c.

per ½ oz.; oz., 60c.; \$2.00 per ¼ lb. New York. One of the best in cultivation, very large and solid

and of excellent quality. Self blanching. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.25 per ¼ lb.

Pink Plume. A very solid, crisp, desirable sort; the stalks when blanched are a beautiful rose-pink. Pkt., 10c.; 20c. per ½ oz.;

oz., 35c.; \$1.25 per ¼ lb.
White Plume (Michell's Private Stock). The standard early celery for market and the home garden. The stalks and heart, which blanch very quickly to almost a pure white, are very crisp and brittle. It can be used early in November and is of the finest quality. Our strain of seed is very superior in every way. 50c. per pkt.; large pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; oz., 40c.;

\$1.40 per $\frac{1}{4}$ lb. LATE WINTER VARIETIES

Emperor. Dwarf growing; very brittle and of extra fine flavor; a good winter keeper. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.20 per 1/4 lb.

Giant Pascal. This is in its prime for use during February and March, and can be used well up into spring. Pkt., 10c.; ½ oz., 20c.; 35c. per oz.; ¼ lb., \$1.20.

New Columbia. A variety of great merit; a medium tall sort, producing a large, heavy stalk; splendid keeper. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.00 per ¼ lb.

Winter King. Perfectly solid, crisp and of delicious flavor; good keeper. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.25 per ¼ lb. Winter Queen. A medium tall, solid variety; will retain its qualities long through the winter. The heart is very full and large. Pkt., 10c.; 20c. per 1/2 oz.; oz., 35c; \$1.25 per 1/4 lb.

CELERY PLANTS (Ready in July)

Leading varieties. Per 100, 75c. (by parcel post, \$6.00 per 1000.

CELERY FOR FLAVORING (Not for Sowing) 10c. per oz.; ¼ lb., 20c.; 50c. per lb. CELERY PAPER

For winter protection; 500 sq. ft. per roll. Price \$1.75 per roll. CELERY TAPE

Fast red, in 1000-yard spools, \$5.00 per spool (by parcel post, \$5.15). CELERIAC

This vegetable is used for two purposes: the leaves are cut when young and used to flavor soups and meats; the roots are boiled, sliced, cooled, and served as a salad.

Giant Prague. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 75c. per ¼ lb.; lb., \$2.25.

CHAMOMILE (Herb)

Pkt., 10c.; 35c. per ½ oz.; per oz., 60c.

CITRON

This will be found described further under the heading of melons. Pkt., 10c.; 15c. per oz.; ¼ lb., 40c.; \$1.25 per lb.

CHARD. See Swiss Chard, page 79.

MICHELL'S CUCUMBERS

Concombre (Fr.); Gurken (Ger.); Cetriolo (Ital). One ounce of seed will plant 60 hills; 2 to 3 pounds per acre.

Plant when the ground has become thoroughly warmed, in hills 4 feet each way, 8 seeds in a hill; when the second set of leaves have formed thin out to 4 plants in a hill. A type of beetle attacks this crops occasionally, which can be conquered by spraying the vines with Pyrox or Arsenate of Lead; when this is used always wash the fruits thoroughly before using. If the foliage is attacked beneath, by aphis or green fly, a spraying with Black leaf 40 is usually very effective.

Davis Perfect. This remarkably fine variety is suited for growing under glass as well as outdoors. The fruits are uniform in shape and size, often measuring 10 to 12 inches in length. Its color is dark green all over, and it is quite smooth and very productive. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 65c. per ¼ lb.; lb., \$1.75.



Cucumber, Early Fortune

Early Fortune. One of the finest cucumbers of the White Spine type; medium length, and dark green in color, which it holds for a long time after picking; flesh white and very crisp. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.50 per lb.

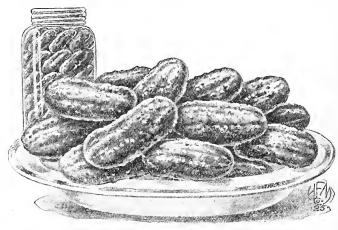
Evergreen. The name is derived from the feature of its dark green color-retaining qualities; thick fruits, measuring about 8 to 9 inches long. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.50 per lb.

Gherkin or Burr Cucumber. For pickling only; the small fruits are roundish, about 2 inches long; very prickly when green. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 65c. per ½ lb.; lb., \$2.00.

Japanese Climbing. A trellis variety used for shade as well as eating purposes. The vine is very ornamental, and produces extra long light green fruits in abundance. Pkt., 10c.; 20c. per oz.; ¼ lb., 65c.; \$2.00 per lb.

Long Green Turkey. This is one of the large varieties, used principally for slicing. Its dark color makes it desirable for market. The vines are very vigorous and productive; the fruits are formed almost as early as the short sorts; they are firm, crisp and have a fine flavor. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 65c. per ½ lb.; lb., \$2.00.





Cucumber, Jersey Pickle

Jersey Pickle or Green Prolific. This sort can be used for slicing but is best for pickling on account of its size, which averages 5 inches in length; makes ideal "Dill Pickles" as sold extensively in the delicatessen stores. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.50 per lb.

White Spined (Michell's Arlington Improved). This cucumber is absolutely perfect in form, color, size and productiveness, and is therefore the leading sort, not only for the home or market garden, but also with those who make a specialty of growing them under glass. The fruit is smooth, deep green to the tip and measures uniformly 8 inches in length. It has few seeds, making it a valuable variety for slicing or pickling. A splendid keeper retaining its color remarkably; the seed we offer is an extra selection. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.50 per lb.

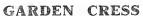
ENGLISH CUCUMBERS

These are splendid for growing in hotbed frames during the summer months, in preference to the open garden ground. They can thus be started earlier and protected during cool nights, as they are more tender than the regular outdoor varieties. They may also be grown under glass in greenhouses during the winter, producing enormous fruits, generally 18 to 24 inches long and 3 inches in diameter. They have a delicate flavor and possess very few seeds; for slicing, no other sorts can approach them.

	Pkt. 12 Seeds	100 Seeds
Lockie's Perfection	. \$0.25	\$1.75
Sion House	.25	1.75
Telegraph	.25	1.75
Tender and True	.25	1.75

WATER CRESS

This desirable cress may be sown early in spring near the brink of a pond of spring water or piece of running water. Just scatter the seed and it will sprout and grow with wondrous rapidity; once established it remains for years, reseeding itself. True Erfurt. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.25 per ½ lb.

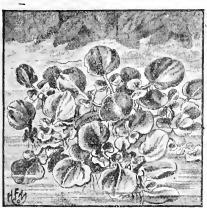


Sow thickly in early spring in drills one foot apart, and follow every two weeks, up to August 1st, with a new sowing, as it quickly runs to seed. Its very desirable pungent taste is acceptable to most any one who is fond of garden greens. It is eaten prepared with either a little salt and vinegar, or without. Makes a very tasty salad.

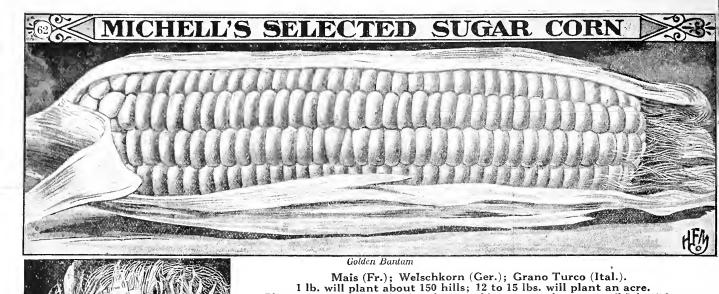
Extra Curled. Pkt., 10c.; 15c. per oz.; 35c. per ½ lb., lb., \$1.00.



English Greenhouse Cucumbers



Water Cress



grains, in hills three feet apart each way, or in rows three feet apart; if the latter, thin out so the plants stand 12 inches apart; if left in hills, thin out when 4 inches high to 3 to 4 plants to the hill. Early varieties should be planted for a late crop to be sure of maturity. PLEASE NOTE.—Only varieties of Sugar Corn marked * can be supplied in $\frac{1}{2}$ lb. packages. Adams Extra Early. Pure white, medium sized ears, not entirely sweet. Pkt., 10c.; 25c. per lb. (by P. P., 32c.); 2 lbs., 45c. (by P. P., 55c.); \$1.00 per 5 lbs. (by P. P., \$1.15); 10 lbs., \$1.75 (by P. P., \$2.05); \$4.00 per 25 lbs.

Bantam Evergreen. A yellow Sweet Corn noted for its excellent qualities; much larger than Golden Bantam and claimed to be more productive; it is also claimed to be considerably earlier; a splendid variety for mid and late season planting. Pkt., 10c.; 40c. per lb. (by P. P., 47c.); 2 lbs., 75c. (by P. P., 85c.); \$1.75 per 5 lbs. (by P. P., \$1.90); 10 lbs., \$3.25 (by P. P., \$3.55); \$7.50 per 25 lbs.

Early Evergreen. This variety is closely allied to Stowell's in shape, flavor and style but is much earlier; produces large

style, but is much earlier; produces large well-shaped ears, with deep grains. Pkt., 10c.; 30c. per lb. (by P. P., 37c.); 2 lbs., 55c. (by P. P., 65c.); \$1.25 per 5 lbs. (by P. P., \$1.40); 10 lbs., \$2.25 (by P. P., \$2.55); \$5.25 per 25 lbs.

Early Mayflower. Slightly earlier than Golden Bantam. Stalk about 4 feet high; ears exceptionally long and well filled for an early Corn. The ears average 7 inches in length; grains tender and of excellent flavor. Pkt., 10c.; 40c. per lb. (by P. P., 47c.); 2 lbs., 75c. (by P. P., 85c.); \$1.75 per 5 lbs. (by P. P., \$1.90); 10 lbs., \$3.25 (by P. P., \$3.55); \$7.50 per 25 lbs. Golden Bantam. While yellow in color, the state of the s

this is one of the sweetest and earliest corns. Ears medium size; kernels tender and delicious. The plant is of dwarf growth; we recommend it very highly for the home garden. Pkt., 10c.; 20c. per ½ lb. (by P. P., 25c.); 30c. per lb. (by P. P., 37c.); 55c. per 2 lbs. (by P. P., 65c.); 5 lbs., \$1.25 (by P. P., \$1.40); \$2.25 per 10 lbs. (by P. P., \$2.55); 25 lbs., \$5.25.

Golden Cream. A cross between Country Gentleman and Golden Bantam and combines the excellent qualities of both. When picked ripe is a very light yellow; after being cooked it turns darker. Pkt., 10c.; 30c. per lb. (by P. P., 37c.); 2 lbs., 55c. (by P. P., 65c.); \$1.25 per 5 lbs. (by P. P., \$1.40); 10 lbs., \$2.25 (by P. P., \$2.55); \$5.25 per 25 lbs. olden Giant. The ear is about 11 inches long, well filled out from butt to tip, and very symmetrical. Deep golden yellow ears and stalk much larger than Golden Bantam, while it is also in some localities earlier. The kernels are staged regularly on the cob, and are fairly large. Excellent quality and a heavy yielder. See color plate second cover page. Pkt., 10c.; 20c. per ½ lb.; lb., 35c.; 65c. per 2 lbs.; 5 lbs., \$1.50; \$2.75 per 10 lbs., postpaid; 25 lbs., \$5.75, not postpaid.

Plant once a week from the time the ground is permanently warm until July 15th, 6 to 8

Howling Mob. A splendid sort for the market gardener, as well as for home use. Might be classed worm-proof, since the husk covers the ear completely and in a tight fashion. It follows the Adams Extra Early types, which are not near so sweet. Pkt., 10c.; 30c. per lb. (by P. P., 37c.); 2 lbs., 55c. (by P. P., 65c.); \$1.25 per 5 lbs. (by P. P., \$1.40); 10 lbs., \$2.25 (by P. P., \$2.55); \$5.25 per 25 lbs.

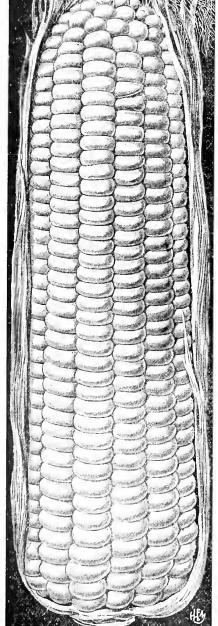
Ideal. An exceedingly early and large yielder. It is not quite as sweet as some other varieties, it is though, nevertheless, well flavored, and its extra early feature outweighs all other points against it. Pkt., 10c.; 25c. per lb. (by P. P., 32c.); 2 lbs., 45c. (by P. P., 55c.); \$1.00 per 5 lbs. (by P. P., \$1.15); 10 lbs., \$1.75 (by P. P., \$2.05); \$4.00 per 25 lbs.

Kendel's Early Giant. Large ears, deep grain, well flavored and extra sweet. The ears are very cylindrical. An ideal sort for the first and last planting. Pkt., 10c.; 40c. per lb. (by P. P., 47c.); 2 lbs., 75c. (by P. P., 85c.); \$1.75 per 5 lbs. (by P. P., \$1.90); 10 lbs., \$3.25 (by P. P., \$3.55); \$7.50 per 25 lbs.

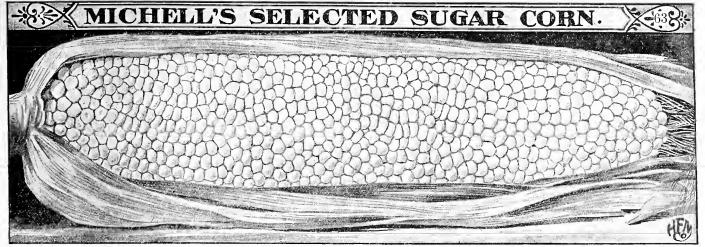
*Stabler's Extra Early. This is the standard sort for the home garden. The large ears is well arrayed with even grains, which cook pure white and are very tender. Pkt., 10c.; 30c. per lb. (by P. P., 37c.); 2 lbs., 55c. (by P. P., 65c.); \$1.25 per 5 lbs. (by P. P., \$1.40); 10 lbs., \$2.25 (by P. P., \$2.55); \$5.25 per 25 lbs.

Sugar Kernel. A splendid new variety, that is fully described and illustrated on page 49. Pkt., 10c.; 30c. per lb. (by P. P., 37c.); 2 lbs., 55c. (by P. P., 65c.); \$1.25 per 5 lbs. (by P. P., \$1.40); 10 lbs., \$2.25 (by P. P., \$2.55); \$5.25 per 25 lbs.

For Field Corn, see Page 83.



Michell's Delicious (See page 63)



Country Gentleman (Michell's Improved Strain)

MEDIUM OR LATE VARIETIES

Black Mexican. A medium late variety, reputed to be without exception the sweetest corn grown; while the grains are young they cook white, as the ear becomes older it cooks a violet shade on the outside, but in either stage of growth it is desirable. The ears are medium-sized and are produced abundantly. Pkt., 10c.; 30c. per lb. (by P. P., 37c.); 2 lbs., 55c. (by P. P., 65c.); \$1.25 per 5 lbs. (by P. P., \$1.40); 10 lbs., \$2.25 (by P. P., \$2.55); \$5.25 per 25 lbs.

Strain). A distinct sort, with deep, fine grains which are staged irregularly on the cob. In sweetness it is unapproached, and for this reason it should recommend itself to every planter. The ears are large and borne on stalks about 6 feet high; a very productive variety and desirable for either home or market use. Our Improved Strain is a careful selection of the finest type of ears from stalks making a larger than usual yield. Pkt., 10c.; 25c. per ½ lb. (by P. P., 30c.); lb., 40c. (by P. P., 47c.); 2 lbs., 75c. (by P. P., 85c.); \$1.75 per 5 lbs. (by P. P., \$1.90); 10 lbs., \$3.25 (by P. P., \$3.55); \$7.50 per 25 lbs.

Late Mammoth. Gigantic ears of extra fine quality, produced in great quantity. This is the latest maturing and largest of all sweet corns. Pkt., 10c.; 30c. per lb. (by P. P., 37c.); 2 lbs., 55c. (by P. P., 65c.); \$1.25 per 5 lbs. (by P. P., \$1.40); 10 lbs., \$2.25 (by P. P., \$2.55); \$5.25 per 25 lbs.

FOR FIELD CORN, see page 83

CORN POPPERS

Made of the best quality wire. Price includes handle and lid. 1 qt. size, 25c. each; 2 qt. size, 35c. each.



Little Gem or Shoe Peg (Ne Plus Ultra). This variety is closely allied to Country Gentleman and resembles it so closely that it is difficult to separate the two. Pkt., 10c.; 40c. per lb. (by P. P., 47c.); 2 lbs., 75c. (by P. P., 85c.); \$1.75 per 5 lbs. (by P. P., \$1.90); 10 lbs., \$3.25 (by P. P., \$3.55); \$7.50 per 25 lbs.

Michell's Delicious. Over twenty years ago this was selected by an old-time Philadelphia gardener, who bred it until he had it perfect. Ever since we acquired control thereof we have placed it with our best sugar corn grower in New England, with instructions to grow it for us exclusively and keep re-selecting it. The ears are well filled, medium in size and mature after the early varieties. Pkt., 10c.; 40c. per lb. (by P. P., 47c.); 2 lbs., 75c. (by P. P.,85c.); \$1.75 per 5 lbs. (by P. P.,\$1.90); 10 lbs., \$3.25 (by P. P., \$3.55); \$7.50 per 25 lbs.

lbs., \$3.25 (by P. P., \$3.55); \$7.50 per 25 lbs. *Stowell's Evergreen (Michell's Improved Strain). The best late corn grown. The ears are extra large, and produced in great abundance; stalks often grow to a height of 7 feet. In sweetness it is unexcelled, and for this reason it is the great favorite of the market and home gardener. Our strain has been re-selected and represents a distinct advance in every way of this splendid variety. Pkt., 10c.; 25c. per ½ lb. (by P. P., 30c.); lb., 40c. (by P. P., 47c.); 75c. per 2 lbs. (by P. P., \$5c.); 5 lbs., \$1.75 (by P. P., \$1.90); \$3.25 per 10 lbs. (by P. P., \$3.55); 25 lbs., \$7.50.

Only varieties of Sugar Corn marked * can be supplied in ½ lb. packages.

POP CORN (Shelled)

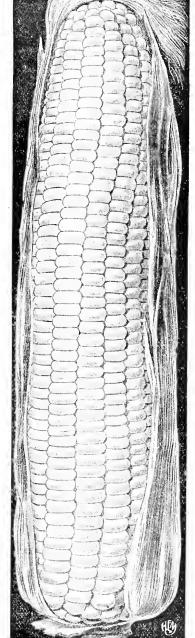
There is hardly a home in this vast country where the popping of corn is not considered an excellent pastime during the long, dreary evenings of winter. When popped, buttered and sugared it is not only delicious, but healthful. Not all popcorn is in the right condition for popping. What we offer, however, can be relied upon for planting and popping.

Queen's Golden (Pops white). Lb., 15c. (by mail, 20c.); 40c. for 3 lbs. (by mail, 50c.); White Rice. Lb., 15c. (by mail, 20c.); 40c. for 3 lbs. (by mail, 50c.).

CORN SALAD (Fetticus)
Mache Ronde (Fr.); Ackersalat (Ger.)

This is principally sown for a supply of greens during winter and early spring months. Sow in September in shallow drills; when cold weather approaches, cover with a litter of leaves or long manure or straw, and upon approach of spring the covering can be taken off entirely. It can also be gathered on mild days during winter.

Large Leaved, Round Seeded. Pkt., 10c.; 20c. per oz.; ¼ lb., 50c.; \$1.50 per lb., postpaid.



Stowell's Evergreen

MICHELL'S VEGETABLE SEEDS

All seed on this page mailed postpaid to purchaser at prices quoted.

DANDELION

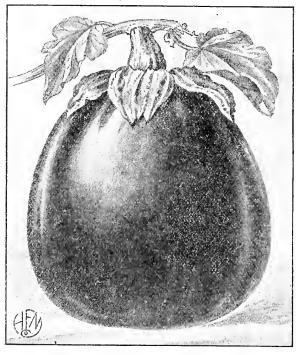
Pissenlit (Fr.); Loewenzahn (Ger.); Dente di leone (Ital.)

While this name applies to what is generally considered the most obnoxious of weeds, in cultivated form it is a valuable vegetable, grown in quantities for the New England markets, where it is prized as the first spring greens. The leaves, which are very fleshy, are boiled and served hot or cold; not alone is it appetizing, but very healthy and highly recommended by physicians. Seed should be sown in spring, thickly, in a bed in the garden, where the plants should remain for the season; late in the fall cover the bed with a movable sash, or leaves, or salt hay for protection. To be real tender it must be used very early in the spring, after which the bed should be destroyed.

Thick Leaved or Cabbaging. Pkt., 10c.; 50c. per $\frac{1}{2}$ oz.; oz. 90c.; \$2.50 per $\frac{1}{4}$ lb.

DILL. (Herb)

Used extensively for culinary purposes and for putting with cucumbers when pickling, producing the famous "Dill Pickles." Pkt., 10c.; 20c. per oz.



Egg Plant, Black Beauty

EGG PLANT

Aubergine (Fr.); Eierpflanze (Ger.); Petonciano (Ital.) One ounce will produce 1000 to 2000 plants.

Sow seed in March in hotbeds, and when 3 inches high transplant into boxes or small pots. Plant outdoors in May or June or after the weather has become permanently warm, in rows 3 feet apart, with the plants set 2 feet apart in the row.

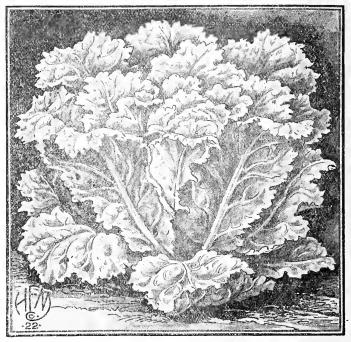
Black Beauty. An extra early, large variety, almost black in color; very prolific and with few seeds. Pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; oz., 50c.; \$1.75 per $\frac{1}{4}$ lb.

Michell's New York Improved. An old standard; quite large and more elongated than the Black Beauty, with a rich purple color. Pkt., 10c.; 25c. per ½ oz.; oz., 50c.; \$1.75 per ¼ lb.

EGG PLANT PLANTS

(Ready May 15)

New York Improved and Black Beauty. Pot-grown. Per doz., \$1.00; \$7.00 per 100. Not mailable.



Endive, Broad Leaved Batavian

ENDIVE

Chircoree (Fr.); Endivien (Ger.); Indivia (Ital.) One ounce will sow a row of 200 ft.

Sow from June to August in shallow drills, and when 2 inches high thin out so the plants stand 10 inches apart. When fairly well developed, toward autumn, tie the plants together at the top with twine, but do this at a time when the leaves are dry. This is called the blanching process. If the plants are protected they may be left outdoors till Christmas. If wanted for later use they must be lifted late in autumn and placed in a dry, cool cellar, covering the roots with soil.

Broad-leaved Batavian (*Escarolle*). Leaves broad, light green, nearly plain. Pkt., 10c.; 15c. per $\frac{1}{2}$ oz.; oz., 25c.; 75c. per $\frac{1}{4}$ lb.; lb., \$2.25.

Giant Fringed (Oyster Endive). A variety with a large white heart and broad fringed leaves; heads measure 15 inches in diameter. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 75c. per ¼ lb.; lb., \$2.25.

Improved Green Curled. An improvement over the common green variety, producing a larger head and thicker leaves. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 75c. per ¼ lb.; lb., \$2.25.

White Curled (Self-blanching). This is the finest White Curled variety; always crisp and tender. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 75c. per ¼ lb.; lb., \$2.25.

FENNEL (Herb)

Florence. Pkt., 10c.; 20c. per oz. Sweet. Pkt., 10c.; 20c. per oz.

GARLIC SETS

Ail (Fr.); Knoblauch (Ger.); Aglio (Ital.)
A hardy flavoring onion, used extensively in the French method of cooking. This variety should not be compared with the common field sort. 35c. per lb. (by parcel post, 42c.); 5 lbs. for \$1.65 (by parcel post, \$1.80); \$3.20 per 10 lbs. (by parcel post, \$3.50).

HERBS. Complete list on page 81.

MICHELL'S VEGETABLE SEEDS

All seeds offered on this page mailed postpaid at prices quoted.

HOP VINE

Besides being used in culinary and medicinal ways, this makes a valuable shade plant. Hardy and rarely winter kills. The hops are gathered about September and stored for use on a dry floor, or hung in bags.

Green Variety, Pot-grown Plants. 25c. each; doz., \$2.50; \$18.00 per 100.

HORSERADISH ROOTS (Ready in March)

Set the roots in rows $2\frac{1}{2}$ feet apart, $1\frac{1}{2}$ feet apart in the row. Late in the fall lift as many roots as you think you will use, cut off the top, place them in a cool cellar, covered with soil or sand; grate as wanted. A bed once planted remains for years.

Maliner Kren. A quick-growing variety and far superior to the common variety. Large cuttings, 35c. per doz. (by parcel post, 45c.); per 100, \$1.50 (by parcel post, \$1.65); \$12.00 per 1000.

KALE OR BORECOLE

Chou Vert (Fr.); Blatterkohl (Ger.); Cavolo Verde (Ital.) One ounce will sow a drill 150 ft. long.

For early use it may be sown in May; when desired for winter use, sow in September, broadcast or in rows 2 ft. apart. Cover for protection against severe freezing and snow. Do not handle while in a frozen condition. One of the finest nutritious greens for winter and early spring use.

Dwarf Green Curled. This variety is very dwarf and compact, rarely attaining a height of over 6 inches. The color is dark green; curly. Pkt., 10c.; 15c. per oz.; 1/4 lb., 50c.; \$1.50 per lb.

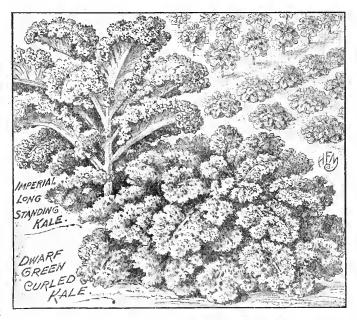
Imperial Long Standing. The leaves are very crimpy, dark green color. Stands quite tall and an excellent producer. It is just as hardy as any of the other sorts, and will be found very profitable where quantity as well as quality is desired. Pkt., 10c.; 15c. per oz.; ¼ lb., 50c.; \$1.50 per lb.

Siberian. A very hardy variety; leaves large and cook very tender. Pkt., 10c.; 15c. per oz.; 1/4 lb., 50c.; \$1.50 per lb.

See pages 48 to 51 for Vegetable Seed Specialties.



Giant Carentan Leek



KOHL-RABI

Chou Rave (Fr.); Kohl-Rabi (Ger.); Cavolo rapa (Ital.)

One ounce will sow about 200 feet of drill

It is regrettable that this splendid vegetable is not more widely used. We would suggest to those who have not given it a trial that they do so. Sow seed in early spring in hotbeds or outdoors and transplant when 3 inches high, in rows 18 inches apart, 6 inches in the row. The edible part is the root, which grows above the ground; this should be used when it attains a size of 2½ inches in diameter or less; at this stage it is extremely tender and delicious, while if allowed to get larger it is woody. Prepared and served like turnips, except that a few of the bottom leaves can be cooked with the root.

Blue or Purple Vienna. The flesh is white, skin a bluish color. Principally used for outdoor sowing. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 75c. per ¼ lb.; lb., \$2.50.



Kohl-Rabi

Early White Vienna. This variety is suited for sowing under glass and for outdoors. The top is very short, thus allowing all the development to go to the root, insuring early maturity. Very finely grained and of excellent quality. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 75c. per ½ lb.; lb., \$2.25.

LAVENDER (Herb)

Seed. Pkt., 10c.; 15c. per ½ oz.; oz., 30c.

LAVENDER PLANTS

Pot Grown. 3 for 75c. (by parcel post, 90c.) \$2.50 per doz.; per 100, \$18.00.

LEEK

Poireau (Fr.); Lauch (Ger.); Porro (Ital.). One ounce of seed will sow about 100 feet of drill.

Allied to the onion family but producing no bulb; the stalks are cut and used for flavoring soups; also they are boiled and served with melted butter, and make a very palatable dish on account of their mild flavor. Sow seeds in April in rows 1 foot apart, covering the seed about an inch; when about 4 inches high transplant where it is to develop, in rich soil in rows 18 inches apart 6 inches in the row. When fully grown, hill soil against them to blanch them; about November 1st take up the plants and store them in a cool cellar, placing the root end in soil 3 or 4 inches, thus a supply may be had all winter.

Giant Carentan. A variety which produces colossal stalks of tender quality; splendid for exhibition purposes. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 75c. per ¼ lb.; lb., \$2.50.

London Flag. Popular for the home garden. Makes a longer but narrower stalk than others. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 75c. per ¼ lb.; lb., \$2.50.

MICHELL'S CHOICE STRAINS OF LETTUCE

All Prices on this page, include postage.

HEADING VARIETIES

Laitue (Fr.); Lattich Salat (Ger.); Lattuga (Ital.) One ounce of seed will produce about 2500 plants.

All Heart. An excellent lettuce for either spring or summer use. The head, while large, has a loose heart, which is of a decided buttery flavor; can be used for sowing in frames, or in spring and early summer outdoors. Pkt., 10c.; 25c. per ½ oz.; oz.,

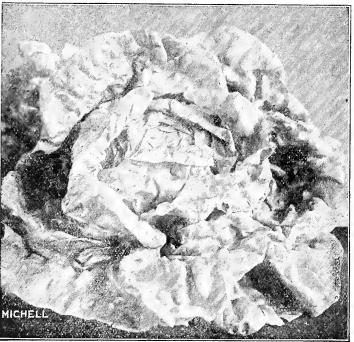
40c.; \$1.25 per ½ lb.; lb., \$4.00.

All Right (Michell's). This is not a variety for forcing, but rather for an early spring crop in the hotbed or outdoors, and for sowing in August for late autumn under sash or outside; it is not affected by cold, which, with some sorts turns them brown; on the other hand, this variety retains a rich green color. The heads are very large, often 12 inches in diameter, very solid and with a rich buttery heart of light yellow. Don't use this variety for a summer crop. Pkt., 10c.; 25c. per ½ oz.; oz., 40c.; \$1.25 per 1/4 lb.; lb., \$4.00.

Big Boston. A large, flat, cabbage-headed variety; splendid for midsummer or fall use, or under glass in the early spring and autumn; a delightful shade of light green, tinged light brown on the outer leaves. Pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; oz., 40c; 1.25 per

1/4 lb.; lb., \$4.00.

Boston Market (White Seeded Tennisball). Early, small heading variety; one of the best for forcing; the heart is very solid and crisp. Pkt., 10c.; 25c. per ½ oz.; oz., 40c.; \$1.25 per ¼ lb.; lb., \$4.00.



Davey's improved Big boston Lettuce

Davey's Improved Big Boston. This strain is superior to the usual strain of Big Boston; heads larger, more solid and of better flavor; excellent for under glass or for midsummer or fall outdoors. Pkt., 10c.; 25c. per ½ oz.; oz., 50c.; \$1.50 per Pkt., 10c.; 25c. per ½ oz.; oz., 50c.; \$1.50 per 1/4 lb.; lb., \$5.00.

Dutch Butter (*Private Stock*). A medium-sized head; light green leaves, with delicate yellow heart. The outer leaves are tinged brown on the edges. Suitable for forcing or outdoor planting. Pkt., 10c.; 25c. per ½ oz.; oz., 40c.; \$1.00 per ¼ lb.; lb., \$3.00. Hanson Improved. Tremendous solid heads; the outer leaves

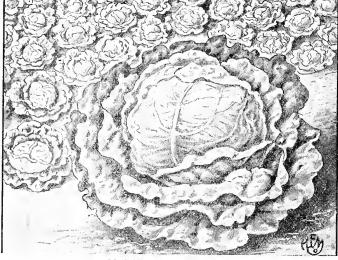
are curled, the interior is almost white and very tender; stands the heat well, therefore excellent for summer use; this produces

probably the heaviest head of lettuce of any variety. Pkt., 10c.; 25c. per ½ oz.; oz., 40c.; \$1.00 per ¼ lb.; lb., \$3.50.

Iceberg. A splendid variety, producing large, solid heads; very firm, crisp and fine flavor; leaves curly. Pkt., 10c.; 25c. per ½ oz.; oz., 45c.; \$1.25 per ¼ lb.; lb., \$3.50.

May King. The first solid head lettuce to mature outdoors, hence its name; it is of good size with tender full heart. Suitable for

its name; it is of good size, with tender, full heart. Suitable for sowing under sash in early spring. Pkt., 10c.; 25c. per ½ oz.; oz., 40c.; \$1.25 per ¼ lb.; lb., \$4.00.



Michell's Number One Lettuce

Michell's Number One. This lettuce is a positive header under most trying conditions. It is tender, of a decided buttery flavor, and unusually large. A valuable type for hot weather; also desirable for autumn use. Should not be used for forcing. 10c.; 25c. per $\frac{1}{2}$ oz.; oz., 40c.; \$1.00 per $\frac{1}{4}$ lb.; lb., \$\\$3.50.

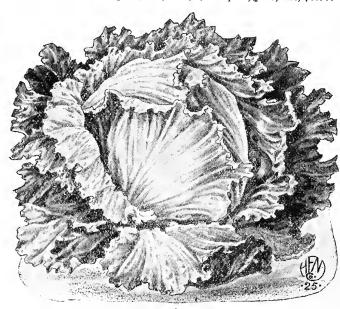
New York or Wonderful. Of the cabbage-headed sorts this is a leader; the color is dark green, with white interior; the heads are large, with curled outer leaves; popular kind for summer. Pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; oz., 40c.; \$1.35 per $\frac{1}{4}$ lb.; lb., \$5.00.

Prize Head. A splendid loosely-formed head, claimed to do well where all others fail; desirable for outdoor planting only; has a dark tinge on the outer leaves. Pkt., 10c.; 25c. per ½ oz.; oz., 40c.; \$1.00 per $\frac{1}{4}$ lb.; lb., \$3.00.

Salamander (Mammoth). One of the best midsummer varieties. resisting heat and drought, and remains in heading condition longer than many others. Pkt., 10c.; 25c. per ½ oz.; oz., 45c.; \$1.25 per ¼ lb.; lb., \$3.50.

Unrivaled. Very large, light green and of a crisp nature; very desirable for summer use. Pkt., 10c.; 25c. per ½ oz.; oz., 45c.; \$1.25 per $\frac{1}{4}$ lb.; lb., \$4.00.

The earliest hard heading lettuce in cultivation, Wayahead. doing well either under glass or in the open, in spring or autumn. Pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; oz., 40c.; \$1.00 per $\frac{1}{4}$ lb.; lb., \$3.00.



Iceberg Lettuce

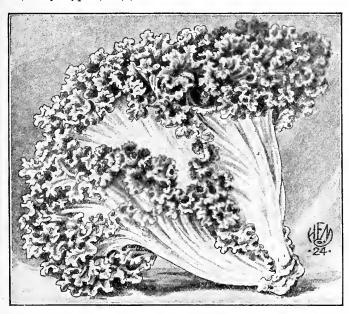
MICHELL'S CHOICE STRAINS OF LETTUCE—Continued 67

LOOSE LEAF OR CUTTING VARIETIES

For early or midsummer use seed should be sown very thicky. When pulling the young plants try to do so with an effort to thin out the bed, thus allowing the remaining plants to become large. This class of lettuce is always tender.

Black Seeded Simpson. Ideal for midsummer use, as it withstands the most trying conditions of heat and drought. When matured, presents a formidable loose head with finely fringed leaves. Pkt., 10c.; 25c. per ½ oz.; oz., 40c.; \$1.25 per ¼ lb.;

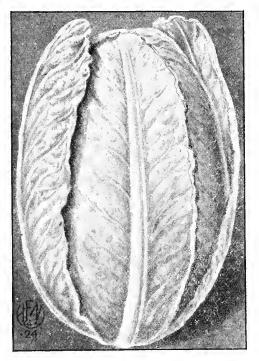
Early Curled Simpson. A splendid curly-leaved sort; loose heads and very tender. Pkt., 10c.; 25c. per ½ oz.; oz., 40c.; \$1.00 per ½ lb.; lb., \$3.00.



Lettuce, Grand Rapids

Grand Rapids (Special Strain). The leading variety in this class for forcing under glass, but it may also be grown successfully outdoors. The leaves are very curly, crisp and brittle, and have a palatable flavor. Pkt., 10c.; 25c. per ½ oz.; oz., 45c.; \$1.25 per ¼ lb.; lb., \$3.50.

Silesian. This variety should be cut instead of pulled, as it makes new growth from the same root. A light green color, and when given plenty of room will form a large loose head. Pkt., 10c.; 25c. per ½ oz.; oz., 40c.; \$1.00 per ¼ Ĭb.; lb., \$3.00.



Lettuce, Kingsholm Cos

COS, ROMAINE OR CELERY LETTUCE Of French origin, this type, as will be seen by the illustration, differs greatly from the American varieties by its peculiar upright growth. To have it tender the heads must be tied together at the top so that the inner leaves blanch; it has a decided flavor. It is best adapted to outdoor planting and stands the heat well.

Kingsholm Cos. The largest and best heading variety of this type. The inner leaves blanch almost pure white and have little or no rib, the heads are very full throughout and therefore contain more edible part. Pkt., 10c.; 25c. per ½ oz.; oz., 40c.; \$1.00 per ¼ lb.; lb., \$3.00.

LETTUCE PLANTS

We can supply these (at all seasons) in heading varieties only, of our selection. 25 for 25c. (by parcel post, 35c.); 75c. per 100 (by parcel post, 90c.); per 1000, \$6.00.

ALL SEEDS offered on this page mailed at quoted prices except Mangel-Wurzel.

MANGEL-WURZEL OR CATTLE BEETS

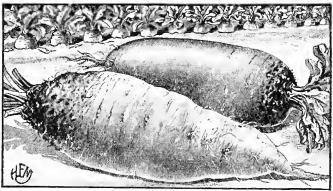
Seed selected from specimen roots.

Sow 5 lbs. per acre in April and May in thoroughly plowed, well-manured soil, in drills about 24 inches apart. Thin out to 12 inches apart in the row, and keep the weeds down by frequent hoeing and cultivating. Low ground is best adapted for Mangel-Wurzels. They provide excellent winter food for cattle, sheep, hogs and poultry.

Golden Tankard. The best long yellow mangel in cultivation. Relished by cows, sheep and hogs. Matures earlier than other large sorts. 10c. per oz.; ¼ lb., 20c.; 60c. per lb. (by parcel post, 67c.); \$2.50 per 5 lbs. (by parcel post, \$2.65).

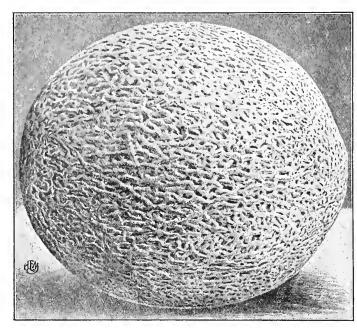
Lane's Improved White Sugar. This variety attains an enormous size, growing considerably above the ground; one of the best for stock feeding. 10c. per oz.; ½ lb., 20c.; 65c. per lb. (by parcel post, 72c.); 5 lbs., \$2.50 (by parcel post, \$2.65);

Mammoth Long Red. This is an enormously productive variety, yielding from 50 to 75 tons to the acre, a single root often weighing from 20 to 40 pounds. It is the best long red mangel. 10c. per oz.; 1/4 lb., 20c.; 60c. per lb. (by parcel post, 67c.); 5 lbs. 22 50 (by parcel post, 67c.); 5 lbs., \$2.50 (by parcel post, \$2.65).



Michell's Mammoth Long Red and Golden Tankard Mangels

See page 56 for Table Beets.



Muskmelon, Delicious Gold Lined

Melon Muscade (Fr.); Melone (Ger.); Popone Melone (Ital.) One ounce will plant about 50 hills; 2 to 3 lbs. are required for an acre.

While these do best to reach their greatest perfection in a light sandy loam, any good well-prepared garden soil suits them. Plant when the ground has become permanently warm in hills 6 feet apart each way, 8 to 10 seeds in a hill. After the second tier of leaves have formed, thin out to 4 plants in a hill. Watch carefully for insects of various kinds, especially the melon louse that works under the leaf and shrivels it, causing the plant to die. To fight this successfully, raise up the vines and spray underneath with Pyrox, Arsenate of Lead, or some of the various Nikoteen preparations. When the vines have made a good start, they are not bothered with insects thereafter.

Delicious Gold Lined. Flesh thick, fine grained and sweet; color green, with a gold margin next to the seed cavity; slightly oval and heavily netted. A variety which every melon planter should not overlook to include in his list. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 75c. per ¼ lb.; lb., \$2.50.

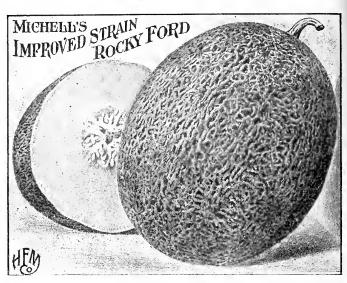
Emerald Gem. Among the standard varieties, this has long been a leader. Flat shape; the flesh, which is thicker than any other melon of the same shape, is a rich salmon shade and ripens extremely close to the rind. It is exceedingly sweet and one of the melons when you eat once of you remember for a long while. Pkt., 10c.; 20c. per oz.; ¼ lb., 50c.; \$1.50 per lb.

Fordhook. This is claimed to be one of the best melons ever introduced. Of flat shape like Emerald Gem, on which it is claimed to be an improvement. The flesh is a beautiful salmon orange, surprisingly sweet. The fruits are very large, often weighing 2 lbs. each; an early variety, and always prolific. The netted rind is very thin and the melon can be eaten very close thereto. Pkt., 10c.; 20c. per oz.; ¾ lb., 50c.; \$1.50 per lb.

Honey Dew. A late maturer; large in size, being 6 inches in diameter and from 7 to 8 inches long. The skin is smooth with an occasional net, and creamy white. The thick flesh is emerald green, melting, and of a wonderfully delicious flavor, sweet as honey. The ripe melons can be kept in a suitable place for several weeks before using. In fact, they can be placed in cool storage and kept until Christmas. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 70c. per ½ lb.; lb., \$2.00.

Jenny Lind. A small, flat, very early sort; heavily netted and ribbed; green flesh; an altogether good variety to plant with others, using this for the first picking. Pkt., 10c.; 20c. per oz.; ½ lb., 50c.; \$1.50 per lb.

Michell's Delicious. This deservedly enjoys a good name, it is one of the very large, irregular pumpkin-shaped melons, with a smooth, silver-gray rind. The flesh is very deep orange-salmon. See illustration on page 50. Pkt., 15c.; 35c. per ½ oz.; 65c. per oz.; per ¼ lb., \$2.00.



Rockyford (Improved Strain). The outside is a light green, changing to a grayish color; well netted. It is mostly all meat, with a very small seed cavity, and often weighs a pound and one-half to the fruit. Fine for market or the home garden. Pkt., 10c.; 20c. per oz.; 1/4 lb., 50c.; \$1.50 per lb.

FORCING MELONS (English Varieties)

Forcing melons can be grown successfully outside in hotbeds. Sow seed in pots in March and transplant to hotbed when three leaves have developed; these will ripen fruit in June and July. For indoor use treat same as forcing cucumber.

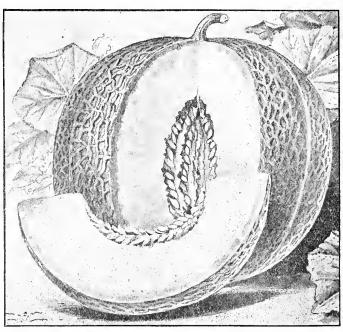
July. For indoor use treat same as forcing cucumber.

Blenheim Orange, Invincible-Scarlet, Windsor Castle.
Each variety per pkt., 30c.

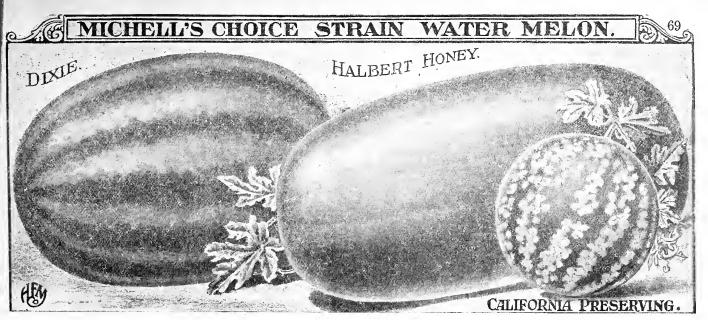
Sutton's Al. In original packets, \$1.25 per pkt.

Sutton's A1. In original packets, \$1.25 per pkt. MELON NETS. For supporting forcing melons in greenhouses; made very strong; will last for a number of crops. \$2 50 per doz; per 100, \$18 00.

All seeds on this page mailed postpaid at prices quoted.



Fordhook Muskmelon



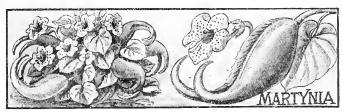
Melon d'eau (Fr.); Wasser Melone (Ger.); Melone d'aqua (Ital.)

One ounce will plant 30 hills, four pounds for an acre.

Plant in hills 10 feet apart each way or in drills 10 feet apart, dropping one seed every 3 feet. A little land plaster dusted over the young plants will keep beetles away. Watermelons require planting after the soil has become thoroughly warm, say about May 10th in the latitude of Philadelphia. Our list of watermelons is limited, as we offer only the varieties which from experience we know are the better ones.

Dixie. The name attaches to this variety a peculiar recollection of things truly Southern, where this melon is at home. 'Tis one of the old-time favorites, roundish-long in shape. The skin is dark green, mottled light; the flesh is very sweet and ripens close to the rind. Pkt., 10c.; 15c. per oz.; 1/4 lb., 40c.; \$1.25 per lb.

Halbert Honey. An ideal family garden, or home market melon. The long fruits with blunt ends are very large and weigh often 50 lbs.; the rind is very thin, dark green, while the flesh is a rich crimson. It tastes like a sugar stick and it melts under pressure of the tongue. It is very prolific and is altogether a first-rater. Pkt., 10c.; 15c. per oz.; ½ lb., 40c.; \$1.25 per lb.



MARTYNIA (Unicorn Plant)

A bushy plant growing 2 feet in height, bearing clusters of pink flowers resembling gloxinias, which afterwards turn to long green pods, which when picked may be pickled the same as cucumbers, making a very tasty relish. Sow seeds in April outdoors and transplant so the plants stand 2 feet apart each way.

Proboscidea. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.10 per ¼ lb.

MINT (Herb)

Pkt., 25c.; 65c. for 3 pkts.

MINT PLANTS (Pot Grown)

Spearmint. 3 for 60c. (by parcel post, 75c.); doz., \$1.50 (by parcel post, \$1.75); \$10.00 per 100.

Peppermint. 3 for 60c. (by parcel post, 75c.); doz., \$1.50 (by parcel post, \$1.75); \$10.00 per 100.

All seeds (not plants) on this page sent postpaid at prices quoted.

Kleckley Sweets. A sweet one, to be sure, with a luscious tenderness all its own. It is not a shipping variety, as the rind is too close to the ripe, fluffy, rich red meat, when in condition to use. The melons average about 20 inches long and ripen quite early. Our strain is grown from the originator's seed stock and we can recommend it highly. Pkt., 10c.; 15c. per oz.; ¼ lb., 40c.; \$1.25 per lb.

Tom Watson. A very handsome large fruit, frequently 2 feet long and 12 inches in diameter. The dark green rind is a contrast to the bright scarlet flesh, which is of splendid texture and flavor; the sugary meat really melts in your mouth. Nothing can touch it in the melon line for shipping qualities. The rind being tough, it will resist plenty of abuse. Pkt., 10c.; 15c. per oz.; ¼ lb., 40c.; \$1.25 per lb.

PRESERVING MELON OR CITRON

A large-fruited variety; pure white flesh and thin rind. This is expensive when bought, yet can be grown and preserved by any energetic housewife, who will then also know it to be absolutely pure and good. It is planted like watermelon.

California Red Seeded. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 40c.; \$1.25 per lb.

MUSTARD

One ounce will sow a row 75 feet long. It makes a delicious green salad, pungent in taste, highly palatable and healthy. Sow every two weeks in rows the same as spinach. It must be used



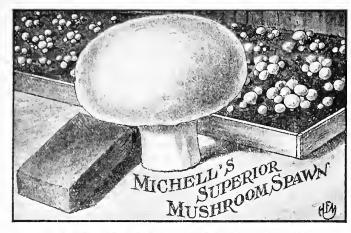
Mustard, Southern Giant Curled

while young, as only then is it tender and mild. Fine winter greens if sown in a heated frame or greenhouse, also fine if served with lettuce for flavoring. If the plant is allowed to stand, the seed can be harvested and used for other culinary purposes.

SouthernGiantCurled. The best of the curled mustards; of sweet flavor; matures very early and produces abundant foliage. Pkt., 10c.; 20c. per oz.; ¼ lb., 50c.; \$1.25 per lb.

White or Yellow. Pkt., 10c.; 15c. per oz.; 1/4 lb., 30c.; \$1.00 per lb.

MICHELL'S VEGETABLE SEEDS, ETC.



PURE SPORE CULTURE SPAWN

The growing of Mushrooms is rapidly increasing, and the demand for them has reached immense proportions. A fine crop of mushrooms can be secured with very little labor or expense, provided a suitable location can be obtained. Cellars, greenhouses and sheds can be used for their culture. We are now offering our customers spawn that is made in quart milk jars under absolutely sterile conditions. The bottle and materials are sterilized under steam pressure of twelve lbs., so that every mould, weed seed or insect is destroyed and each bottle contains nothing but the pure spawn. Every particle is full run, covered with spawn grown direct from the spores. One carton of the spawn equals 5 bricks of ordinary spawn and is sufficient to spawn about 40 square feet. The sterile spawn is dried thoroughly and each piece wrapped in tissue paper, which contains full instructions, not only as to how the spawn should be used, but full particulars about growing mushrooms. Any one can order spawn and with it get the necessary knowledge to make growing entirely successful.

PRICES

	
Per carton\$1.00	25 cartons\$21.25
12 cartons	60 cartons 48.00

If wanted by P. P., allow 10c. per carton for postage.

PURE CULTURE BRICK SPAWN

A crop is produced with good spawn, and a little care and patience in about 4 to 6 weeks, and continues bearing about two months. New beds can be started at intervals which will give a supply the entire season. The first planting can be made in July, the last in March. Summer spawned beds do not bear well. Ask for our Free Booklet on Mushroom Culture. One Brick will spawn 8 to 10 sq. ft.

Direct No. 8. Cream White.	
Direct No. 9. Pure White. Fo	or use from October to April.
Per brick\$0.35	Per 10 bricks\$2.75
Per 5 bricks 1.50	Per 25 bricks 6.50
Per 50 bricks	

If wanted by P. P., allow for postage at the rate of 10c. per brick.



MUSHROOM OR HOTBED THERMOMETERS

			Galvanized					
No.	1. Bras	s Point, '	Wood Case (by par	cel post	:, \$3.:	10)	. 3 . 00
			hould, where safe arrival					

BOOKS ON GROWING MUSHROOMS

Pamphlet (Gratis for a postal card asking for it).	
Mushroom Culture $(Duggar)$ \$2.0	0
Mushrooms, How to Grow (Falconer)	0

OKRA OR GUMBO

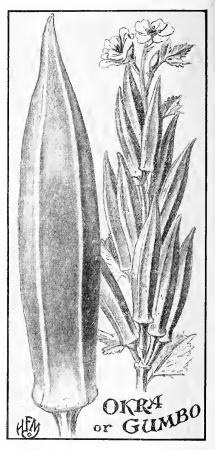
Gombo (Fr.); Ocher (Ger.); Ocra (Ital.) One oz. will sow a row about 100 feet long.

The seed is sown in rows, thickly, like peas (in ground that is rich), after the frost and cold have disappeared, the rows, 3 feet apart; when about 6 inches high the plants should be thinned out

to stand 12 inches apart in the row. The pod is used when young and tender, sliced in soups and stews; what is not utilized during the summer may be harvested, cut in slices and dried in the sun; after being cured in this way it should be put on the pantry shelf for use during the winter. In this way one may have Chicken Gumbo soup any day of the year.

Perkins' Long Pod (Improved Strain). A wonderful dwarf type, setting pods when the plants are only a foot high. It can be planted somewhat earlier than other sorts. The pods are exceedingly long and tender and of a dark green color. Pkt., 10c.; 15c. per ½ 0z.; 0z., 25c.; 60c. per ¼ lb.; lb., \$2.00. White Velvet or Cre-

White Velvet or Creole. The pods of this variety are very free from ridges, being almost perfectly smooth; they are tender and very light green, almost white in color. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 60c. per ½ lb.; lb., \$2.00. Prices quoted for Okra seed are postpaid.



ONION SETS

One quart will plant a row about 50 feet.

Plant just as soon as the ground can be worked. Press the bulb in the ground lightly (and do not cover), in rows 12 inches apart, 2 inches apart in the row; so that all the development goes in the onion, on signs of their going to seed, bend the top over, but do not break it off. They can be harvested in the locality of Philadelphia for winter storage as early as July 10th. The advantage in planting onion sets lies in the fact that the young onion is ready often in 5 weeks from the time of planting, while those grown from seed cannot be used until well in the autumn.

Shipped on Local Orders about March 10, unless otherwise requested.

Yellow. 15c. per pt. (by parcel post, 20c.); qt., 30c. (by parcel post, 40c.).

White. 18c. per pt. (by parcel post, 23c.); qt., 35c. (by parcel post, 45c.).

Red. 15c. per pt. (by parcel post, 20c.); qt., 30c. (by parcel post, 40c.).

White Multiplier. 30c. per lb. (by parcel post, 40c.).

Potato Onions. 40c. per lb. (by parcel post, 50c.).

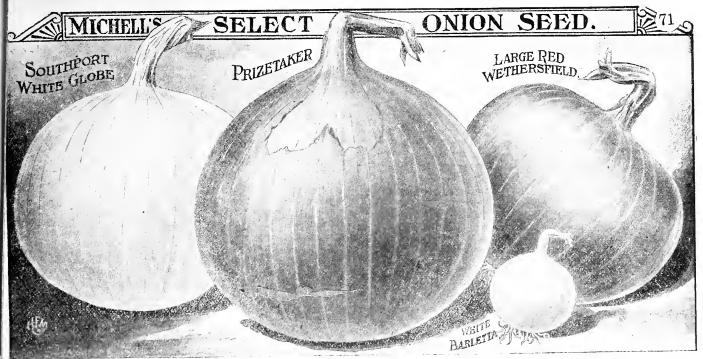
Shallots. 30c. per lb. (by parcel post, 40c.).

Tree or Top Onions. Can be supplied in September and October.

Garlic Sets. Per lb. 35c. (by parcel post, 42c.); \$1.65 per 5 lbs. (by parcel post, \$1.80); 10 lbs., \$3.20 (by parcel post, \$3.50).

We give 32 lbs. per bushel on Onion Sets.

Prices on larger quantities of Onion Sets will be quoted on request.



Ognon (Fr.); Zwiebel (Ger.); Cipolla (Ital.). To grow full size onions, one ounce of seed will sow a 100-foot row; 5 to 6 pounds are required per acre. If it is desired to grow onion sets, sow 40 to 50 pounds per acre.

Sow in the early spring in rows 2 feet or less apart, according to cultivation method employed. The seed should be firmed in the soil. If it is desired to grow full size onions the first year, thin out when 3 inches high, so that they stand about 2 or 3 inches apart. White onions are mildest in flavor and are recommended for early use. The yellow sorts are best for winter keeping.

Ailsa Craig. The largest of all onions, often weighing three lbs. and over, each. In England it is the foremost variety and will be seen there on exhibition during all vegetable shows. It is globe-shaped, slightly pointed at top and base; the color is a beautiful straw yellow. To obtain best results sow seed in the hotbed and later transplant where they are to grow; in planting place 4 to 6 inches apart and thus procure gigantic specimens. Pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; oz., 40c.; \$1.25 per $\frac{1}{4}$ lb.; lb., \$4.00.

Bermuda White. An early variety, with immense flat, partially globe-shaped bulb, producing (when transplanted about 4 inches apart) gigantic onions the first season. In the raw state it is very mild, while when cooked, the flesh is tender and of a delicious flavor. For slicing it is one of the best. Pkt., 10c.; 25c. per ½ oz.; oz., 40c.; \$1.25 per ¼ lb.; lb., \$4.00.

Danvers Yellow Globe. This almost round-shaped onion is extensively sown by the private and market gardener on account

of its good keeping qualities. It is a dark straw color and always produces a good crop, growing to a large size. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.00 per ¼ lb.; lb., \$3.25.

Large Red Wethersfield. A flat, large growing variety. The red

onions are excellent winter keepers; flavor much like the yellow

sorts; full-size onions can be grown in one season. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.20 per ½ lb.; lb., \$3.50.

Prizetaker. A mammoth yellow variety; if sown thinly it produces full-size onions in one season from seed, rivaling with the Bermuda varieties for size and flavor, often weighing 3 lbs. or

more each. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.25 per ¼ lb.; lb., \$3.50.

Southport White Globe. A beautiful type of an almost round onion, growing to an enormous size. This is perhaps the best onion of all for family use. The flesh when cooked is of a rich will walk of to do and delicious flever and in the row state it. milky color, of tender and delicious flavor, and in the raw state it is one of the mildest. Pkt., 10c.; 20c. per ½ oz.; oz., 40c.; \$1.25

per 1/4 lb.; lb., \$4.50. Southport Yellow Globe. Similar to the Danvers except larger in size, more like the Prizetaker. This is probably one of the m size, more like the frizetaker. This is probably one of the most uniform growing varieties, every bulb being almost perfectly round and of the same size; light straw colored skin. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.25 per ¼ lb.; lb., \$3.25. White Barletta. An extra early small round variety, used principally for pickling. Pkt., 10c.; 20c. per ½ oz.; oz., 40c.; \$1.25 per ½ lb.; lb. \$4.00

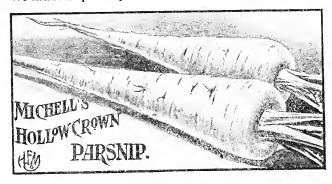
per $\frac{1}{4}$ lb.; lb., \$4.00.

White or Silver Skin. The standard white onion for market or home use; it is of very mild flavor; semi-globe shaped and very uniform in growth and size. Pkt., 10c.; 20c. per ½ oz.; oz., 40c.; \$1.35 per ¼ lb.; lb., \$4.50.

Yellow Strasburg or Dutch. A dark straw color skinned sort; almost flat in shape, but a large onion. Its fine keeping qualities is what recommends itself to the home, as well as the market gardener. For a yellow sort it is rather mildly flavored; for growing sets, more of this variety is sold than any other. One of the best winter keepers. Pkt., 10c.; 20c. per ½ oz.; oz., 30c.; 85c. per ¼ lb.; lb., \$3.00.



We make a specialty of Choice Onion Sets (see Page 70).



PARSNIP

Panais (Fr.); Pastinake (Ger.); Pastinaca (Ital.). One ounce will sow a row 150 feet long; 5 lbs. per acre.

Sow early in the spring in drills about 24 inches apart, covering the seed slightly; when the plants are 2 or 3 inches high, thin out so the roots will develop; cultivate well during the growing

Improved Sugar or Hollow Crown. A very thick, broad-topped root, which makes it lift easily. Flesh is very fine grained and sweet, while the outer surface is smooth and almost white. It yields enormous crops. Pkt., 10c.; 15c. per oz.; 1/4 lb., 50c.; \$1.50 per lb.

72 MICHELL'S CHOICE GARDEN PEAS *

Dano
Eviralari

Aorra
Excelyion

Dwarf
Champion

MICHELL'S CHOICE GARDEN PEAS

Pois (Fr.); Erbsen (Ger.); Pisello (Ital.)

2 lbs. will plant 100 ft. of row; 90 to 120 lbs. per acre.

The smooth-seeded varieties may be sown as soon as the ground can be worked; the wrinkled sorts when the ground has become warmer. The distance apart for planting depends somewhat on the variety. To have a continuous crop, sow weekly up to June 15th, and a final planting again about August 15th. For the last planting use the dwarf early varieties.

EXTRA EARLY VARIETIES

Alaska. Smooth seeded; very early; height $2\frac{1}{2}$ feet. Pkt., 10c.; 35c. per lb. (by parcel post, 42c.); 2 lbs., 65c. (by parcel post, 42c.); parcel post, \$2.50 (by parcel post, \$1.65); 10 lbs., \$2.50 (by parcel post, \$2.80); \$5.75 per 25 lbs.

Dandy Extra Early. A selection of the Eureka, but far superior;

andy Extra Early. A selection of the Eurea, but far supernor, smooth seeded; very prolific and desirable for the kitchen and market garden; height, 24 inches. Pkt., 10c.; 20c. per ½ lb. (by parcel post, 25c.); lb., 35c. (by parcel post, 42c.); 65c. per 2 lbs. (by parcel post, 75c.); 5 lbs., \$1.50 (by parcel post, \$1.65); \$2.50 per 10 lbs. (by parcel post, \$2.80); 25 lbs., \$5.75.

Early June. A green seeded, smooth pea, desirable for first planting; height, 2½ feet. Pkt., 10c.; 35c. per lb. (by parcel post, 42c.); 2 lbs., 65c. (by parcel post, 75c.); \$1.50 per 5 lbs. (by parcel post, \$1.65); 10 lbs., \$2.50 (by parcel post, \$2.80); \$5.75

Early Morn. One of the earliest wrinkled peas. Pods large and well filled; very prolific; height, 3 feet. Pkt., 10c.; 35c. per lb. (by parcel post, 42c.); 2 lbs., 65c. (by parcel post, 75c.); \$1.60 per 5 lbs. (by parcel post, \$1.75); 10 lbs., \$2.75 (by parcel post, \$3.05); \$6.50 per 25 lbs.

Early 8 Weeks. A wrinkled variety, growing 12 to 15 inches high and commencing to bear $6\frac{1}{2}$ weeks after planting; a heavy cropper and especially desirable where room is scarce. Pkt., 10c.; per lb., 45c.; 80c. for 2 lbs.; 5 lbs., \$1.90; \$3.50 for 10 lbs., postpaid; 25 lbs., \$8.00, not prepaid.

Gradus or Prosperity. Never was there a pea offered which is so largely demanded as this very early sort. It is exceedingly luscious, wrinkled and a producer of gigantic pods and peas; height, 36 inches. Pkt., 10c.; 35c. per lb. (by parcel post, 42c.); 2 lbs., 65c. (by parcel post, 75c.); \$1.60 per 5 lbs. (by parcel post, \$1.75); 10 lbs., \$2.75 (by parcel post, \$3.05); \$6.00 per 5 lbs. 25 lbs.

Laxtonian. An extra fine early, dwarf sort; pods are large and well filled with peas of extra fine quality; height, 18 inches. Pkt., 10c.; 40c. per lb. (by parcel post, 47c.); 2 lbs., 75c. (by

parcel post, 85c.); \$1.80 per 5 lbs. (by parcel post, \$1.95); 10 lbs., \$3.50 (by parcel post, \$3.80); \$8.00 per 25 lbs.

Little Marvel. Wrinkled; dwarf, 18 to 20 inches; prolific and sweet. Pkt., 10c.; 35c. per lb. (by parcel post, 42c.); 2 lbs., 65e. (by parcel post, 75e.); \$1.60 per 5 lbs. (by parcel post, 42c.); 2 lbs., 65c. (by parcel post, 75c.); \$1.60 per 5 lbs. (by parcel post, \$1.75); 10 lbs., \$2.75 (by parcel post, \$3.05); \$6.00 per 25 lbs.

Michell's Special Extra Early. Of the smooth seeded sorts this is the peer. Extremely early, lusciously sweet and very tender; a grand yielder; height, 24 inches. Pkt., 10c.; 35c. per lb. (by parcel post, 42c.); 2 lbs., 65c. (by parcel post, 75c.); \$1.60 per 5 lbs. (by parcel post, \$1.75); 10 lbs., \$2.75 (by parcel post, \$2.05). \$3.05); \$6.00 per 25 lbs.

Nott's Excelsior (Improved Strain). A splendid early wrinkled pea, producing heavy crops of full pods very early. Height, 15 inches. Pkt., 10c.; 35c. per lb. (by parcel post, 42c.); 2 lbs., 65c. (by parcel post, 75c.); \$1.60 per 5 lbs. (by parcel post, \$1.75); 10 lbs., \$2.75 (by parcel post, \$3.05); \$6.00 per 25 lbs. Sutton's Excelsior. This wrinkled variety is quite hardy and can be planted earlier than most other wrinkled sorts; very early.

It grows about 16 inches high, and makes a long, broad pod, well filled. Pkt., 10c.; 40c. per ib. (by parcel post, 47c.); 2 lbs., 75c. (by parcel post, 85c.); \$1.75 per 5 lbs. (by parcel post, \$1.90); 10 lbs., \$3.25 (by parcel post, \$3.55); \$7.00 per 25 lbs.

The Pilot or Leader. The earliest of round-seeded varieties. The

pods and peas are nearly as large as those of Gradus. It can be planted, of course, much earlier. The vines are of vigorous growth, 3 feet high, and produce an abundance of pods. peas are of finest flavor. Pkt., 10c.; 35c. per lb. (by parcel post, 42c.); 2 lbs., 65c. (by parcel post, 75c.); \$1.60 per 5 lbs. (by parcel post, \$1.75); 10 lbs., \$2.75 (by parcel post, \$3.05); \$6.00 per 25 lbs.

Thos. Laxton. Heavy producer; wrinkled, exceedingly early; pods are large and filled with large peas of excellent flavor. Its heavy cropping qualities make it suitable for an early crop in the private garden; height, 36 inches. Pkt., 10c.; 35c. per lb. (by parcel post, 42c.); 2 lbs., 65c. (by parcel post, 75c.); \$1.60 per 5 lbs. (by parcel post, \$1.75); 10 lbs., \$2.80 (by parcel post, \$3.10); \$6.50 per 25 lbs.

SECOND EARLY VARIETIES

Bliss Abundance. Produces very large pods containing six and even more peas of a delicious flavor; wrinkled; height, 20 inches. Pkt., 10c.; 35c. per lb. (by parcel post, 42c.); 2 lbs., 65c. (by

parcel post, 75c.); \$1.50 per 5 lbs. (by parcel post, \$1.65); 10 lbs., \$2.50 (by parcel post, \$2.80); \$5.75 per 25 lbs.

Daisy or Dwarf Telephone. One of the best medium early sorts, large pods; wrinkled and very sweet; height, 18 inches. Pkt., 10c.; 40c. per lb. (by parcel post, 47c.); 2 lbs., 75c. (by parcel post, 85c.); \$1.75 per 5 lbs. (by parcel post, \$1.90); 10 lbs., \$3.25 (by parcel post, \$3.55); \$7.50 per 25 lbs.

filled with peas; height, 18 inches. Pkt., 10c.; 40c. per lb. (by parcel post, 47c.); 2 lbs., 75c. (by parcel post, 85c.); \$1.75 per 5 lbs. (by parcel post, \$1.90); 10 lbs., \$3.25 (by parcel post, \$2.55). Potlatch.

\$3.55); \$7.00 per 25 lbs.

Yankee Prince. A large podded wrinkled sort; heavy yielder; pods often measure 6 inches in length, and well filled with large peas of delicious flavor; height, 4 feet. Pkt., 10c.; 35c. per lb. (by parcel post, 42c.); 2 lbs., 65c. (by parcel post, 75c.); \$1.60 per 5 lbs. (by parcel post, \$1.75); 10 lbs., \$2.80 (by parcel post, \$3.10); \$6.50 per 25 lbs.

GENERAL OR LATER CROP VARIETIES

Champion of England. A very tall, rank grower, but a wonderful yielder of delicious quality peas; seed wrinkled; height, 5 feet. Pkt., 10c.; 35c. per lb. (by parcel post, 42c.); 2 lbs., 65c. (by parcel post, 75c.); \$1.50 per 5 lbs. (by parcel post, \$1.65); 10 lbs., \$2.50 (by parcel post, \$2.80); \$5.75 per 25 lbs.

*Dwarf Champion. Possesses most all the good qualities of the famous Champion of England, and has the further advantage of being dwarf; a very delicious pea which should be planted expost, 25c.); lb., 35c. (by parcel post, 42c.); 65c. per 2 lbs. (by parcel post, 27c.); 5 lbs., \$1.50 (by parcel post, \$1.65); \$2.50 per 10 lbs. (by parcel post, \$2.80); 25 lbs., \$5.75.

Long Island Mammoth. A very large podded semi-wrinkled variety; a great favorite with the market gardener; heavy yielder; height about 2½ feet. Pkt., 10c.; 35c. per lb. (by parcel post, 42c.); 2 lbs., 65c. (by parcel post, 75c.); \$1.60 per 5 lbs. (by parcel post, \$1.75); 10 lbs., \$2.75 (by parcel post, \$3.05); \$6.00 per 25 lbs.

Telephone (Tall). The finest late wrinkled pea grown; exceedingly seems to achieve the producers being \$21/2 feet.

ingly sweet; an abundant producer; height, 314 feet. Pkt., 10c.; 35c. per lb. (by parcel post, 42c.); 2 lbs., 65c. (by parcel post, 42c.); 2 lbs., 65c. post, 75c.); \$1.60 per 5 lbs. (by parcel post, \$1.75); 10 lbs., \$2.75 (by parcel post, \$3.05); \$6.00 per 25 lbs.

OR EDIBLE POD PEAS SUGAR

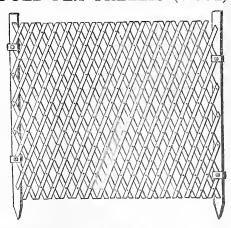
This type produces large, well-filled pods. They are cooked with the peas intact; very tender and exceedingly sweet.

Dwarf Gray Sugar. Gray seed; height, 2 feet. Pkt., 10c.; 35c. per lb. (by P. P., 42c.); 2 lbs., 65c. (by P. P., 75c.); \$1.50 per 5 lbs. (by P. P., \$1.65); 10 lbs., \$2.50 (by P. P., \$2.80); \$5.75 per 25 lbs.

Tall Luscious Sugar. Gray seed; height, 4 feet. Pkt., 10c.; 40c. per lb. (by P. P., 47c.); 2 lbs., 75c. (by P. P., 85c.); \$1.75 per 5 lbs. (by P. P., \$1.90); 10 lbs., \$3.25 (by P. P., \$3.55); \$7.50 per 25 lbs.

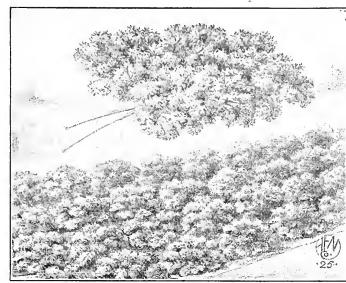
No. 1—MANIFOLD PEA TRELLIS (Wood)

Ideal for Sweet Peas and Garden Peas supports. When fully opened it makes a trellis 19 ft. long and this is varied according to the height of the plants it is to support. Positively the best of its kind that has ever come to our notice. It can be set up in 5 minutes, taken down in less and folds so that it occupies a very small space. Complete and ready to put up; stained green. Each, \$4.00; doz., \$46.00.



NITROGEN BACTERIA FOR PEAS See page 84.

MICHELL'S VEGETABLE SEEDS



Double Curled Parsley

PARSLEY

Persil (Fr.); Petersilie (Ger.); Prezzemolo (Ital.). One ounce will sow a row 100 ft. long.

After soaking the seed for a few hours in warm water, it should be sown in rows 18 inches apart, and when 2 inches high thinned out so the plants will stand 4 inches apart in the row. It takes parsley seed from 3 to 6 weeks ordinarily to germinate, so that a little patience in growing this is necessary. Parsley can be continued over winter, if given a heavy covering of long manure. Champion Moss Curled. Beautifully crimped and curled. It

Champion Moss Curled. Beautifully crimped and curled. It can be cut the year round. Pkt., 10c.; 15c. per oz.; ¼ lb.,

45c.; \$1.25 per lb.

Double Curled or Covent Garden. A great improvement over all other varieties; nicely curled leaf which has a tendency to retain its deep green color the entire season. Pkt., 10c.; 20c. per oz.: 1/4 lb., 60c.; \$1.50 per lb.

per oz.; ¼ lb., 60c.; \$1.50 per lb.

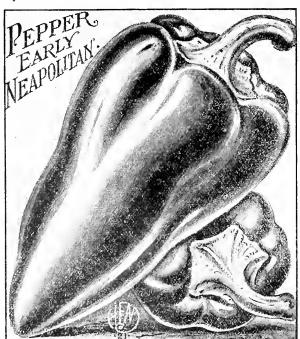
Hamburg or Rooted. The fleshy roots are used for flavoring soups, stews, etc. Pkt., 10c.; 15c. per oz.; ¼ lb., 45c.; \$1.25 per lb.

Plain. Leaves not curled. Pkt., 10c.; 15c. per oz.; ¼ lb., 35c.;

\$1.00 per lb.

PARSLEY PLANTS (Ready in April)

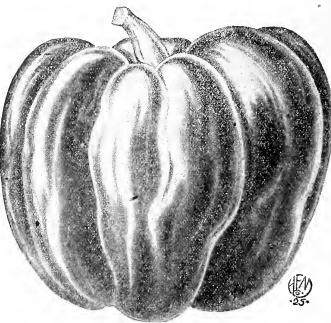
Large specimens; pot-grown, ready for use. Per doz., \$1.00; \$7.00 per 100. Not mailable.



All seeds offered on this page (not plants) mailed postpaid at quoted prices.

PENNYROYAL (Herb)

Pkt., 10c.; 35c. per $\frac{1}{2}$ oz.; oz., 65c.



Pepper, Chinese Giant

PEPPER

Piment (Fr.); Pfeffer (Ger.); Peperone (Ital.) One ounce produces about 1200 plants.

Sow the seed in a hotbed or window box about March 1st. Transplant to the open ground when all danger from frost is over, in rows 3 feet apart, 18 inches apart in the row.

Bell or Bull Nose. Very thick flesh; a great producer. The large fruits are green, turning to vivid scarlet; fine for slicing on tomatoes, or stuffed as mangoes. Pkt., 10c.; 25c. per ½ oz.; oz., 40c.; \$1.25 per ¼ lb.

Cayenne. A long red variety; very hot and used principally for bunching with pot herbs. Pkt., 10c.; 25c. per ½ oz.; oz., 40c.; \$1.40 per ¼ lb.

Chinese Giant. A monster pepper; perfectly sweet; green fruit, turning bright scarlet; matures very late; a very shy seeder. Fine for stuffed mangoes. Pkt., 10c.; 35c. per ½ oz.; oz., 65c.; \$2.25 per ½ lb.

Golden Dawn. A large yellow variety, shaped like the Chinese Giant; very sweet. Pkt., 10c.; 25c. per ½ oz.; oz., 40c.; \$1.25 per ¼ lb.

Neapolitan. Early; large size; thick meated; mild flavor; bright red when ripe. Pkt., 10c.; 25c. per ½ oz.; per oz., 40c.; \$1.25 per ¼ lb.

Pimiento. A splendid, uniformly shaped, sweet variety. Green fruit changing to red when fully ripe. Pkt., 10c.; 25c. per ½ oz.; oz., 45c.; \$1.50 per ¼ lb.

Ruby Giant. Very large; adapted for stuffing; mild flavor. Pkt., 10c.; 25c. per ½ oz.; oz., 45c.; \$1.50 per ¼ lb.

Ruby King. A large red variety resembling Bull Nose. Pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; oz., 45c.; \$1.50 per $\frac{1}{4}$ lb.

Tomato, or Squash. Upright growth; fruit small and shaped like a tomato; mild flavor. Pkt., 10c.; 25c. per ½ oz.; oz., 45c.; \$1.50 per lb.

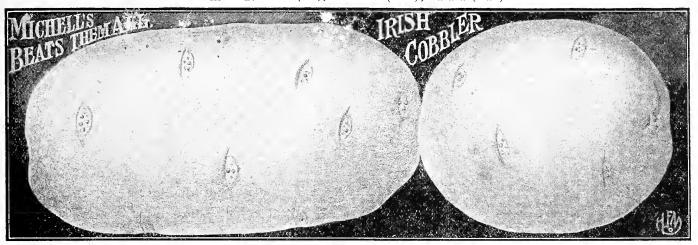
World Beater. This variety is very similar to Ruby Giant, in fact some claim it to be an improvement over that variety. Choice seed, grown in New Jersey. Pkt., 10c.; 25c. per ½ oz.; oz., 45c.; \$1.50 per ½ lb.

PEPPER PLANTS (Ready in May)

Pot-grown Plants. Per doz., \$1.00; \$7.00 per 100. Not mailable.

MICHELL'S MAINE-GROWN SEED POTATOES

Pomme de Terre (Fr.); Kartoffel (Ger.); Patata (Ital.)



TIME OF SHIPMENT.—Potato shipping with us commences about March 15th (weather permitting), unless otherwise requested. We can ship at customer's risk any time during cold weather. Plant 12 to 14 bushels per acre.

Our potatoes are put up in barrel sacks of 165 lbs. each. Shipment in barrels can be made at a cost of 75c. each for barrels.

Beats Them All (Michell's). This famous variety has given the best results wherever tried, yielding more than any other early potato; quality fine; extremely early, coming in about one week or ten days earlier than Early Rose. Oblong in shape.

Dibbles Russet. A splendid late variety, claimed to be absolutely rust and blight proof; medium size; oval or flat in shape.

Early Rose (Houlton or Maine). A leading variety for earliness, quality and productiveness; pink skin; oblong shape.

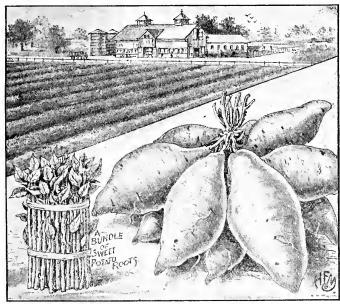
Gold Coin. This potato seems to be in great demand, though by no means a new one. It is large, somewhat roundish flat and a wonderful cropper; a late maturer.

Green Mountain. An excellent general crop variety; white, roundish flat.

Irish Cobbler. A splendid sort, almost round in shape.

Jersey Red Skin. These are especially adapted for planting in light, sandy soil late in June and in early July. They are oval shaped, medium size and cook pure white.

State of Maine. An old favorite, grown by every gardener; good keeper; flat in shape.



Sweet Potatoes

SWEET POTATO PLANTS (Ready in May)

Yellow and Red Nansemond. Per 100, \$1.00 (by parcel post, \$1.15); \$6.00 per 1000. Not less than 100 plants of a variety can be furnished.

We regret we cannot supply tubers of sweet potatoes.

Prices on Seed Potatoes are established about March 1st.

HYBRIDIZED POTATO SEED

Growing new and distinct Seedling Potatoes from the seed is intensely interesting. Pkt., 15c.; 25c. for 2 pkts.

CONCAVE POTATO KNIFE

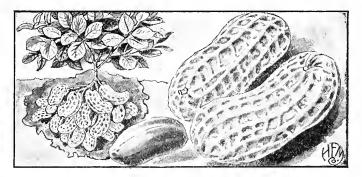
Made of best steel with concave blade. Price, 45c. each.



POTATO SCAB DESTROYER (Formaldehyde)

Dilute 1 quart in 25 gallons of water and soak the seed potatoes in this solution for 2 hours before cutting. They should then be taken out and dried; 25 gallons treating liquid is sufficient for approximately

15 bushels of potatoes. 85c. per pt. (cannot be sent parcel post).



PEANUTS

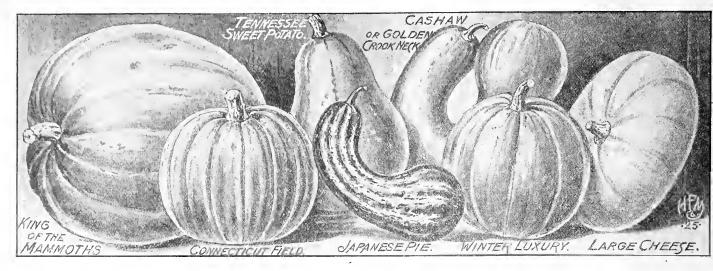
Arachide (Fr.); Erdnuss (Ger.); Cece de terra (Ital.)

One bushel nuts unshelled will plant an acre, but shell
must be removed beforehand.

It is generally believed peanuts cannot be grown anywhere north of Virginia, but this is a mistake; most any well-drained garden soil suits them, where they will yield a big crop. The peanut plant rather enriches the soil instead of impoverishing it, as it is an abundant gatherer of free nitrogen.

Selected Virginia. ½ lb., 20c. (by parcel post, 25c.); 40c. per lb. (by parcel post, 47c.).

MICHELL'S PUMPKINS



Potiron (Fr.); Kurbis (Ger.); Zucca (Ital.)

One ounce will plant 25 to 50 hills; 4 to 5 lbs. for an acre.

Plant any time after the ground has become permanently warm, about four seeds to the hill; the latter to be about 8 feet apart each way. To obtain strong vines, they may be pinched back somewhat, and if large specimens are desired, leave but one or two pumpkins on a vine. Do not plant near other vine crops, as they may hybridize the latter and spoil the taste; they can also be planted among corn after the last working.

Cashaw, or Golden Crook Neck. A very meaty sort; suitable for pie or stock feeding purposes; flesh golden yellow and very tender. Pkt., 10c.; 20c. per oz.; ¼ lb., 65c.; \$1.75 per lb.

Connecticut, or Common Field. Shape almost round; fruits produced in great abundance; flesh coarse and suitable only for stock feeding; color light yellow. Pkt., 10c.; 20c. per oz.; ¼ lb., 50c.; \$1.50 per lb.

Japanese Pie. A crook-necked variety; deep green with darker stripes, which turn to a rich golden yellow. The fruit sets and matures early. The name given to it is derived from the seed, which is curiously marked like Japanese letters of the alphabet. Pkt., 10c.; 20c. per oz.; ¼ lb., 65c.; \$1.75 per lb.

NOTE—All seeds on this page sent postpaid at quoted prices.

King of the Mammoths. This variety grows to an enormous size; orange-salmon skin, bright yellow flesh, fine grained and of excellent quality for pies. Pkt., 10c.; 20c. per oz.; 75c. per 1/4 lb.; lb., \$1.75.

Large Cheese. A very large, flat-ribbed fruit, of a beautiful, buff yellow color; the interior is of fine quality. An enormous producer; ideal for market, home gardens and canning purposes. Pkt., 10c.; 20c. per oz.; ¼ lb., 50c.; \$1.50 per lb.

Tennessee Sweet Potato. An oblong-shaped, medium-sized fruit, with a very light buff yellow skin. For pies it is delicious while for cooking for table use it is dry and tasty, resembling the flavor of mashed sweet potatoes. Pkt., 10c.; 20c. per oz.; 1/4 lb., 60c.; \$1.75 per lb.

Winter Luxury. Known as the New England pie pumpkin. No Thanksgiving dinner is complete without the palatable pumpkin pie made from this variety. This is also used for making Jack-o-Lanterns, for which purpose it is well suited, on account of its very round and symmetrical shape. The skin is a russet yellow, while the flesh is golden orange when ripe. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.75 per lb.

RHUBARB.

Rhubarbe (Fr.); Rhabarber (Ger.); Rabarbaro (Ital.)
One ounce will sow a row 125 feet long.

Seed should be sown early in the spring in shallow drills 1 foot apart; thin out to stand 4 to 5 inches apart in the row. In the fall or following spring the roots should be transplanted into permanent beds and placed 3 feet apart each way; the year following that, or two years after sowing the seed, the rhubarb may be used. Do not cut rhubarb, pull it so that it comes out whole from the crown. Roots may be planted in October or in the Spring up to May 15th.

Victoria. Immense long stalks of a cherry-red color; a most popular variety. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 75c. per ¼ lb.; lb., \$2.50.

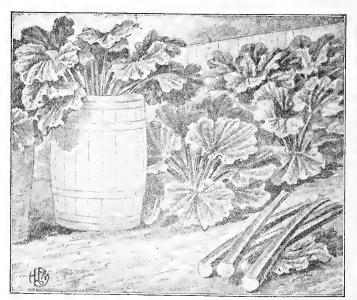
RHUBARB ROOTS

Victoria, First Size Roots. 3 for 60c. (by parcel post, 75c.); \$2.00 per doz. (by parcel post, \$2.25); per 100, \$12.00.

RUTA BAGA

Ruta Bagas should be sown in drills about 30 inches apart, and when 3 inches high, thinned out. Sow seed from July 15th to August 1st; if sown too early they develop long instead of round roots. See also page 81.

Private Stock Purple Top Yellow. This is the perfect ideal Ruta Baga. Top is purple, the bottom yellow. Pkt., 10c.; 15c. per oz.; ¼ lb., 25c.; 90c. per lb.



Rhubarb

CELESTIAL.

WHITE

ICICLE

LONG

CHINA

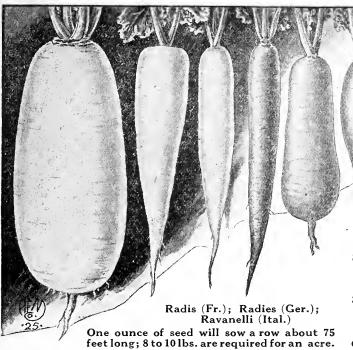
HALF LONG BLACK BE

FRENCH

CRIMSON

EARLY SCARLET GLOBE SCARLET TURNIP WHITE TIPPED

WHITE



Radishes should be sown in good rich ground, where they can make rapid growth, for then only do they produce the best results. Early sowings can be made as soon as frost is out of the ground. The winter radishes are sown in July and are developed by autumn, at which time they may be taken up and stored in a cool cellar and covered with sand.

EARLY VARIETIES

Crimson Giant. Early; globe shaped and of large size; crisp, solid flesh; remains a long time without getting pithy. Pkt., 10c.; 20c. per oz.; ¼ lb., 50c.; \$1.50 per lb.

Early French Breakfast. Oblong shape; rapid grower; very mild and tender; of a beautiful scarlet color, tipped with white; good for open ground or forcing. Pkt., 10c.; 20c. per oz.; 1/4 lb., 50c.; \$1.50 per lb.

Early Scarlet Globe (Special Forcing). A popular variety for hotbed or greenhouse forcing; also valuable for outdoor planting; very early, crisp and mild; may be pulled in 25 days from sowing the seed. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 70c. per ½ lb.; lb., \$2.50.

Icicle (Improved Strain). A magnificent white variety of fine taste; grows 3½ to 4 in. long in 22 days. Valuable for forcing as well as for open ground. Pkt., 10c.; 20c. per oz.; ¼ lb., 50c.; \$1.50 per lb.

Long Scarlet Short Top, or Salmon. A favorite variety; long, bright scarlet with small top; excellent quality. Pkt., 10c.; 20c. per oz.; ¼ lb., 50c.; \$1.50 per lb.

Round Red Forcing, or Button. One of the earliest varieties, maturing very quickly; splendid for hotbed or garden culture; flesh white, mild and tender. Pkt., 10c.; 20c. per oz.; ¼ lb., 50c.; \$1.50 per lb.

All seeds on this page mailed post free at prices quoted.

EARLY VARIETIES—Continued

Philadelphia White Box. A selection of the old reliable White Box radish; more perfect form, producing shorter tops and does not have a tendency to grow long in shape. Pkt., 10c.; 20c. per oz.; ¼ lb., 50c.; \$1.50 per lb.

Scarlet or Cardinal Globe (Improved Strain). This popular radish will be welcomed readily in an improved form. The color and shape, a vivid scarlet oval form, are perfect. Pkt., 10c.; 20c. per oz.; ½ lb., 60c.; \$1.50 per lb.

20c. per oz.; ¼ lb., 60c.; \$1.50 per lb.

Scarlet Turnip, White Tipped. Fine early scarlet variety with white tip. Pkt., 10c.; 20c. per oz.; ¼ lb., 50c.; \$1.50 per lb.

SUMMER AND WINTER VARIETIES

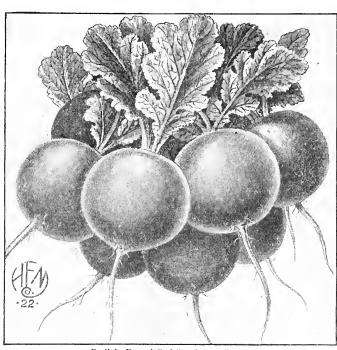
Celestial, or White Chinese. Large size; pure white; excellent keeper. Pkt., 10c.; 20c. per oz.; ¼ lb., 50c.; \$1.50 per lb. China Rose. Bright rose color; flesh firm; one of the best for winter use. Half-long in shape with a scarlet blunt tip. Pkt., 10c.; 20c. per oz.; ¼ lb., 50c.; \$1.50 per lb.

10c.; 20c. per oz.; ¼ lb., 50c.; \$1.50 per lb.

Half Long Black. A great improvement on the old Long Spanish Radish. Pkt., 10c.; 20c. per oz.; ¼ lb., 50c.; \$1.50 per lb.

White Strasburg. Oblong; of a pure white color and mild flavor; a splendid variety for summer. Pkt., 10c.; 20c. per oz.; ¼ lb., 50c.; \$1.50 per lb.

RHUBARB See page 76.



Radish, Round Red Forcing or Button

MICHELL'S VEGETABLE SEEDS



SALSIFY (Oyster Plant)

Salsifis (Fr.); Hafer Wurzel (Ger.); Salsefia (Ital.) One ounce of seed to 50 feet of drill. 10 lbs. per acre.

Sow in early spring, in drills fifteen inches apart and one to two inches deep; when about 4 inches high, thin to three inches apart. Soil should be very deep and mellow in order that the root may grow straight down. Store same as carrots for winter use, or they can be left in the ground until spring. This is one of the

mammoth Sandwich Island. This variety is of enormous size, twice as large as the ordinary white variety; very tender and delicious. Pkt., 10c.; 20c. per ½ oz.; oz., 40c.; \$1.25 per ¼ lb.; lb., \$4.00.

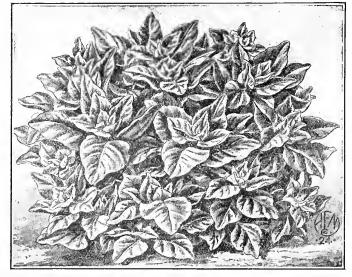
SHALLOTS (French Flavoring Onions) (See page 70.)

VARIOUS HERBS

Partial list, in alphabetical order.	For	comple	te, cond	ensed.
list see page 81.		Pkt.	½ oz.	Oz.
Rosemary		\$0.10	\$0.25	\$0.40
Saffron		10	.20	
Sage,,.,			.20	.35
Summer Savory		10		.20
Sweet Basil				.20
Sweet Marjoram		10	.20	.35

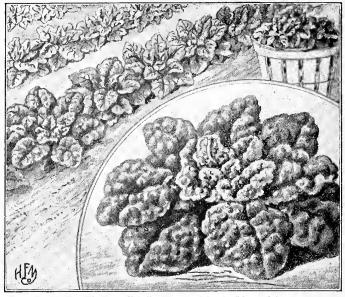
SORREL

Oseille (Fr.); Sauerampfer (Ger.); Acetosa (Ital.) Relished principally by the French people, who use it as a spinach dressing, also as a salad; has an acid flavor. Sow seed in the spring in good light soil in shallow drills 1 foot apart; thin out to 4 inches apart in the row. The seed stalks should be cut off when they appear. Pkt., 10c.; 20c. per oz.; 50c. per ½ lb.; \$1.50 per lb.



Spinach, New Zealand

All seeds on this page mailed post free at prices quoted.



Spinach, Michell's Improved Strain Bloomsdale

SPINACH

Epinard (Fr.); Spinar (Ger.); Spinaccio (Ital.) One ounce will sow a row about 75 feet long; 10 to 12 pounds

are required for an acre. Sow for spring use, in drills one foot apart (covering the seed about one-half inch) as early as the ground can be worked, and continue to sow every two weeks till May 15th. Spinach seed seldom germinates during June, July or August, so we do not recommend sowing again until September, which is the season to provide an early winter and spring crop. On the approach of cold weather cover with long manure, salt hay, straw or other suitable litter. For a supply of spinach during summer, the New Zealand variety is sown in April or May. Spinach can also be grown successfully under hotbed sash.

Bloomsdale Round-Seeded Savoy (Improved Strain). The hardiest variety; curled and crimped, thick, fleshy leaves; the best for early spring and fall sowing. Oz., 10c.; 20c. per ¼ lb.; per lb., 50c.; \$2.25 for 5 lbs.; 10 lbs., \$4.00.

King of Denmark. A new and remarkable variety; stands a

long while without running to seed; large yielder and of excellent quality. The leaves are large, rounded, slightly blistered, and deep green. See illustration, page 51. Pkt., 10c.; 15c. per oz.; ¼ lb., 30c.; \$1.00 per lb.; 5 lbs., \$4.50.

Long Season. A cross between the Bloomsdale and the Victoria

Long Standing. It produces tremendously large plants and leaves, which are strong and robust. It will resist heat better without shooting to seed than any variety yet introduced. The leaves are somewhat curled and are tender. Color, a beautiful dark green. 10c. per oz.; ¼ lb., 20c.; 50c. per lb.; 5 lbs. for \$2.25; \$4.00 per 10 lbs.

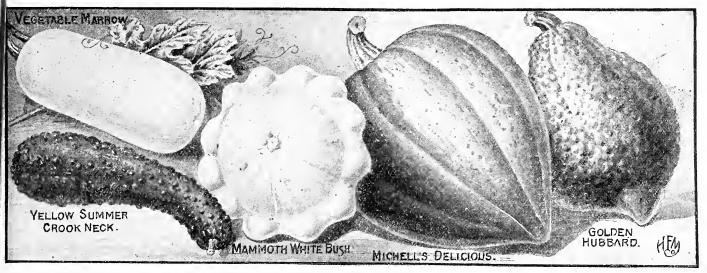
Market Gardeners. This new variety is the highest perfection of the Spinach family, being a decided improvement on all other The leaves are broad, heavy and of a dark green, glossy color, very heavily blistered compared to Long Season; it will also stand at least a week or ten days longer without shooting to seed, which is an important factor. The plant is not of the rosette type, standing more erect, and requiring a less number of plants to fill a basket than any other variety. A trial will convince you of the tenderness and superior quality of this variety.

Pkt., 10c.; 15c. per oz.; ½ lb., 30c.; \$1.00 per lb.; 5 lbs., \$4.50. ew Zealand. This variety endures heat and drought; excellent for summer use; the leaves are small and thick. It is a New Zealand. heavy yielder, growing upright; one sowing can be picked from the entire summer. A very distinct variety. In order to get a successful germination of the seed, it should be soaked in warm water for about 12 hours before sowing. Pkt., 10c.; 15c. per oz.; ¼ lb., 40c.; \$1.00 per lb.; 5 lbs., \$4.00.

Cincinnati, Ohio. Would be pleased if you would send me your price list of seeds at your earliest convenience. We have always found your seeds to be as good as what you say they are.

Y. F. S.

MICHELL'S VEGETABLE SEEDS



SQUASH

Courge (Fr.); Kurbis (Ger.); Zucca (Ital.) One ounce will plant 20 to 50 hills, 3 to 4 lbs. for one acre.

This vegetable is a popular one for summer and winter use, and being susceptible to cold it should not be planted until the ground is thoroughly warm. The bush sorts should be planted in hills 4 to 5 feet apart each way; the running varieties 8 to 12 feet apart. Place 8 to 10 seeds in a hill, and when the third stage of leaves are set, thin out to about 4 plants in a hill.

SUMMER VARIETIES

Cocozelle or Italian. This is a bush variety with smooth fruits, dark green in color, striped deeper. Pkt., 10c.; 20c. per oz.; 1/4 lb., 60c.; \$2.00 per lb.

Yellow Summer Crook Neck. Shaped like a club with a bent neck. The skin is very rough and warted, and of an orange yellow color. Much preferred on account of its very dry meat when boiled. This is a running variety. Pkt., 10c.; 20c. per

when boiled. This is a running variety. Fkt., 10c.; 20c. per oz.; ½ lb., 60c.; \$2.00 per lb.

Golden Custard. A flat scalloped type, like the White Bush; the skin is of a light yellow color, which is very thin, leaving plenty of meat in the center; a bush or compact growing kind. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$2.00 per lb.

Mammoth White Bush. Of round scalloped form with an ivory white claim. This variety has an abundance of most of the with an ivory

white skin. This variety has an abundance of meat of very fine flavor. It is one of the earliest to mature and is very prolific. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$2.00 per lb.



Giant Lucullus Swiss Chard

FALL AND WINTER VARIETIES (Running Sorts)

Blue Hubbard. A new variety and a selection from the original Hubbard. The fruit is of a gray blue color; grows large, is a remarkably good keeper and of excellent quality. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 60c. per ½ lb.; lb., \$2.00.

Boston Marrow. Shaped similar to Hubbard; color, golden orange; fine for canning for winter use, cooked as a vegetable or in pie. Pkt., 10c.; 15c. per oz.; ¼ lb., 40c.; \$1.15 per lb.

Delicious. Well named, as it has the finest flavor of any squash; of oblong shape, with a deep green skin and thin rind, and with a seed cavity so small that it almost meets in the center. One of the best winter keepers; when matured it weighs from 5 to 10 lbs., and is in its prime during the early winter; one of the very best. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$2.00 per lb.

Golden Hubbard. Used extensively for pie, but served as a vegetable, it is very dry and delicious; outside deep orange red; very tender. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$2.00 per lb.

Hubbard (True). Fruits large, olive-shaped, with dark green skin and rich flesh; fine quality; excellent keeper. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$2.00 per lb.

Vegetable Marrow. A long, greenish white variety; fine for cooking; sweet and tender. A favorite squash with the English people. Pkt., 10c.; 20c. per oz.; 1/4 lb., 60c.; \$2.00 per lb.

SWISS CHARD (Spinach Beet)

Poireau (Fr.); Mangold Kohl (Ger.); Bieta (Ital.) 1 oz. will sow a row about 50 feet long.

A wonderful vegetable which is known but too little. From every possible standpoint it has qualities that recommend its use in every household. Readily grown from seed, when it can be used five weeks after sowing and is a continuous crop until killed by frost. The plant does not produce a beet root, but its valuable part is all above the ground, large leaves with broad ribs grow from the center of the plant; the outer leaves only should be carefully pulled from the plant and the foliage part separated from the rib in preparing to cook. The former when cooked is served like spinach, which it resembles in taste; the ribs when boiled and served with melted butter are the equal of finest asparagus. When hard frosts strike the plants down they can be taken up and placed in asparagus. When hard most state the plants down they can be taken up and placed in a cool cellar; the roots may be carried over this way with an occasional watering, and if planted in a hotbed about March 1st they will produce early spring greens.

Giant Lucullus. Very tall growing; crinkly leaves often two feet long; a beautiful ornamental plant for any garden. Pkt., 10c.; 20c. per oz.; ½ lb., 55c.; \$1.25 per lb.

TARRAGON

Fine for flavoring. Pot-grown plants, 3 for \$1.00 (by parcel post, \$1.15); \$3.00 per doz. (by parcel post, \$3.25); per 100, \$20.00.

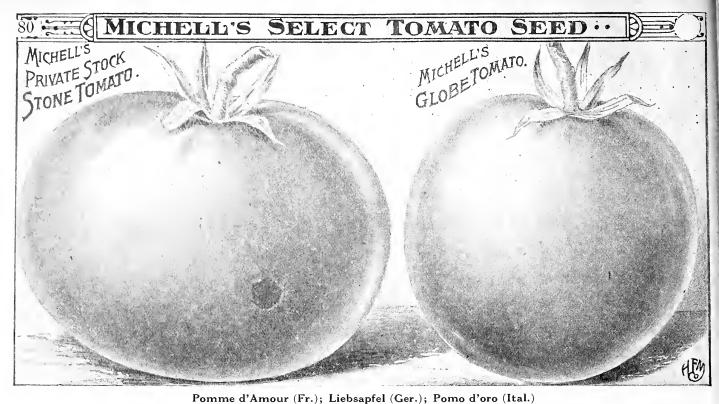
Seed. Pkt., 10c.; 30c. per ½ oz.; oz., 50c.

THYME PLANTS

Pot grown. 3 for 60c. (by parcel post, 75c.); \$1.75 per doz. (by parcel post, \$2.00); per 100, \$12.00.

TOBACCO

Many people like to have a few plants of this in the garden, it attracts butterflies. The flower is very sweet scented, while the leaves may be dried, cured and made into smoking tobacco and cigars. Sow in a box indoors and set outdoors in May. .\$0.15Connecticut Seed Leaf..... Havana... Pennsylvania Seed Leaf



One ounce will produce 3500 plants; 1/4 lb. will provide enough plants for an acre.

Sow in the house or hotbed about March 1st, transplant when 3 inches high, and again later to produce vigorous specimens. Set plants outdoors about May 1st in rows 3 feet apart, 18 inches in the row, or in hills 4 feet apart each way. Properly grown tomato plants should be supported. Note.—All seeds on this page mailed postpaid at prices quoted.

Beauty. One of the largest purplish pink tomatoes; solid and meaty. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.20 per ¼ lb. Bonny Best. One of the most prolific of early tomatoes. The size

is not so large, but it is very solid and evenly formed. Color, bright red. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.20 per ½ lb. Chalk's Early Jewel. Extra early; bright red; fine flavor; very productive. 10c. per pkt.; ½ oz., 20c.; 35c. per oz.; ½ lb., \$1.20. Crackerjack (Michell's). This is one of the best early tomatoes for the home garden, its productiveness being wonderful; quite

free from acid and of a convenient size. Color, rich red and produced in clusters. Be sure and try it if you have not already done so. Pkt., 10c.; 20c. per ½ oz.; oz., 40c.; \$1.25 per ½ lb. Early Detroit. A productive, early purple sort; large and smooth; excellent quality. Pkt., 10c.; 20c. per ½ oz.; oz., 40c.; \$1.25

per ¼ lb.

Dwarf Champion. A distinct type; the plant looks like a miniature tree; very dwarf and compact; bright red; very solid; late maturer. Pkt., 10c.; 35c. per ½ oz.; oz., 60c.; \$2.25 per ½ lb.

Dwarf Stone. A dwarf, compact growing plant, yielding a large crop of medium-sized, very solid tomatoes. Color, bright red. The plant is very distinct and upright; late cropper. Pkt., 10c.;

20c. per ½ oz.; oz., 40c.; \$1.40 per ¼ lb.

Earliana (Penn State). A very prolific tomato. Grows in clusters; medium in size, solid and very desirable. See illustration on page 51. Pkt., 10c.; 35c. per ½ oz.; oz., 60c.; \$2.25 per ¼ lb.

Early Red Wonder (Michell's). A splendid early, new variety; fruits fairly large, and extremely solid. Pkt., 10c.; 35c. per ½ oz.; oz., 60c.; \$2.25 per ¼ lb.

Golden Queen. Large yellow fruit; very sweet, almost free from acid; splendid for preserving or for slicing; to those who generally (on account of acidity) do not eat tomatoes, we can recommend this variety. Pkt., 10c.; 35c. per ½ oz.; per oz., 60c.;

\$2.25 per ¼ lb.

Greater Baltimore. A main crop variety; fruit large and of a brilliant red color; ripens evenly to the stem. Pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; oz., 40c.; \$1.20 per $\frac{1}{4}$ lb.

bhn Baer. This is positively without exception the earliest tomato that we know of. The plant is very dwarf, growing in tree form and frequently the plants have small tomatoes on while yet in pots ready to be set out. Fruit is bright red. Pkt., 10c.; 20c. per ¼ oz.; oz., 40c.; \$1.20 per ¼ lb. Livingston's Globe. Especially adapted to slicing; very solid; a

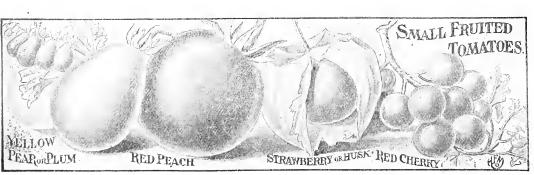
handsome red, and a great producer; one of the best general crop varieties. Pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; per oz., 50c.; \$1.50 per $\frac{1}{4}$ lb. Matchless. Large red fruit; a general crop variety. Pkt., 10c.;

30c. per ½ oz.; oz., 50c.; \$1.50 per ¼ lb.

Ponderosa. The largest tomato in existence; a beautiful deep pink; rather uneven at times in shape. Pkt., 10c.; 35c. per ½ oz.; per oz., 60c.; \$2.25 per ¼ lb.

Red Rock. One of the most solid varieties; medium early and of

a brilliant red color; a fine one for the home or market garden. Pkt., 10c.; 20c. per ½ oz.; per oz., 35c.; \$1.25 per ¼ lb. Stone (Michell's Private Stock). A very careful selection of the old favorite Stone. The fruits are larger, more even, and produced in greater abundance. Pkt., 10c.; 20c. per ½ oz.; per oz., 35c.; \$1.25 per 1/4 lb.

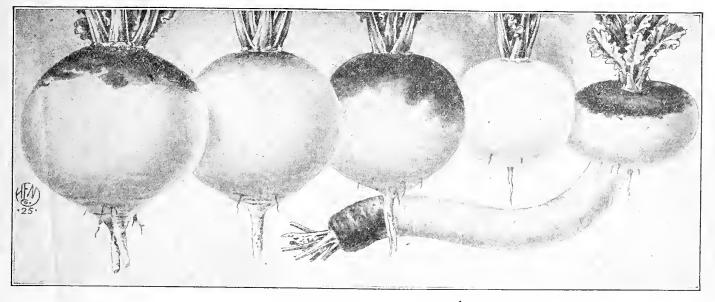


 $\begin{array}{ccc} \textbf{FORCING TOMATOES} \\ \text{Pkt.} & \frac{1}{2} \text{ Oz.} & \text{Oz.} \\ \textbf{Best of All.} \$0.10 & \$0.30 & \$0.60 \end{array}$ Comet. **Eclipse** (Orig.pkts.) 1.00 SMALL FRUITED TOMATOES Red Cherry\$0.10 \$0.30 \$0.60 Red Peach. .10 Yellow Plum... .10 .60 Strawberry or Husk.. .10 TOMATO PLANTS (Ready in April) (See page 82) Doz. 10 Pot Grown, leading sorts ... \$0.75 \$5.00 Not mailable

MICHELL'S TURNIP AND RUTA BAGA SEED

PURPLE TOP WHITE GLOBE

PURPLE TOP FLAT



Herbst Ruben (Ger.); Navet (Fr.); Navone, Rapa (Ital. One ounce of seed for 100 feet of drill; two lbs. per acre, broadcast.

For early use sow the small sorts as soon as the ground can be worked in the spring in drills 14 inches apart. As the seed is fine it should be covered but slightly, except in very dry weather. Do not sow too thickly, so the roots can develop. For fall and winter use sow broadcast from the middle of July to the middle of August.

Aberdeen. A flat yellow variety; a good winter keeper. Pkt., 10c.; 15c. per oz.; ¼ lb., 30c.; 85c. per lb.

Cow Horn. A long white variety, used for soiling and stock feeding. Pkt., 10c.; 15c. per oz.; ½ lb., 30c.; 85c. per lb.

Early Purple Top Flat. The most popular variety in cultivation; a large yielder; well flavored. Pkt., 10c.; 15c. per oz.; ½ lb., 30c.; 85c. per lb.

Purple Top White Globe (Private Stock). This is a careful selection of the popular Purple Top Globe variety; it is very uniform in shape and one that should be grown by all who uniform in shape and one that should be grown by all who grow turnips. Our strain of seed is especially fine. Pkt., 10c.; 15c. per oz.; ¼ lb., 25; 90c. per lb.

Snowball. A pure white globe variety; very early. Pkt., 10c.;

15c. per oz.; ¼ lb., 25c.; 85c. per lb.

Southern Seven Top. For winter greens chiefly; extensively sowninthe South. Pkt., 10c.; 15c. per oz.; ½ lb., 35c.; \$1.10 per lb.

Yellow Globe or Amber. Shaped like the Purple Top Globe, but the color is like that of a Yellow Ruta Baga. Pkt., 10c.; 15c. per oz.; ¼ lb., 30c.; 85c. per lb.

RUTA BAGA

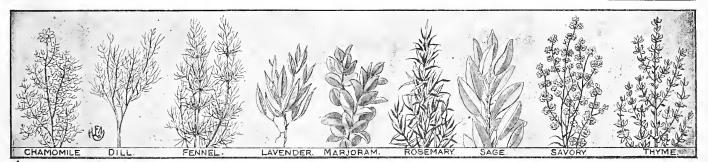
Ruta Bagas should be sown in drills about 30 inches apart and when 3 inches high thinned out to get the greatest root develop-ment. They need to be cultivated liberally and hilled up when about 6 inches high.

Customers frequently complain that Ruta Bagas grow too long in shape, rather than in a round form. Careful inquiry has developed the fact that this is caused by sowing the seed too early.

In the locality of Philadelphia and New York the seed should be sown from July 15th to August 1st. Seed sown earlier than this invariably produces the long shaped roots with long stems.

Private Stock Purple Top Yellow. This is the perfect ideal Ruta Baga. Top is purple, the bottom yellow. It brings a high price when sold in the market on account of its shape. Pkt., 10c.; 15c. per oz.; ¼ lb., 25c.; 90c. per lb.

NOTE-All seed offered on this page mailed free at quoted prices.



SEEDS OF CULINARY AND MEDICINAL HERBS

For winter use, they should be cut just as they come into flower, tied in bunches and hung in a light, airy place indoors, where they

can be available any time.		
Pkt. ½ oz. Oz.	Pkt. ½ oz. Oz.	Pkt. ½ oz. Oz.
	Dill \$0.20	*Sage\$0.10 \$0.20 \$0.35
Basil, Sweet	*Fennel, Sweet	Savory, Summer10 .20
Borage	Fennel, Florence	*Savory, Winter10 .30 .50
Caraway	*Lavender	
*Catnip	*Mint, Peppermint25	*Thyme, Broad Leaved .10 .30 .50
Chamomile	*Pennyroyal	*Varieties are hardy or perennial,
*Chives	*Rosemary	while others must be sown each
Cornander	Saffron	season.





SPECIAL NOTICE

We regret that it is not practicable to ship Pot Grown Plants of Cauliflower, Pepper, Parsley, Egg Plants and To-matoes via Parcels Post.

The foliage of these plants is very soft and tender and from experience (largely because of delays in the mail service) they reach their destination in a worthless condition.

If customers desire this class of plants shipped that way, we will use the utmost care in packing but we ask that we be relieved of any blame if they arrive in an unsatisfactory condition. When plants are wanted by parcels post we believe it will be to your advantage to request "Special Delivery" in which event allow in addition to the postage charges 10c. for special delivery stamp.

VEGETABLE AND HERB PLANTS AND ROOTS

We have fresh supplies of this stock in daily, during the season of planting; we grow them at our own nurseries, and in extra good quality.

ARTICHOKES (Ready in April)

Green Globe. Pot grown. \$1.75 per doz.; 25 for \$3.25; \$11.00 per 100 (by express only). Used for table and stock feeding. 20c. per lb. (by P. P., 27c.); 75c. per 5 lbs. (by P. P., 90c.); 10 lbs., \$1.20 (by P. P., \$1.50); \$2.75 per 25 lbs.; 50 lbs., \$4.50.

ASPARAGUS ROOTS

(Ready from Oct. 15th to May 15th)

The two-year-old roots usually produce two years after planting, the three-year-old may be cut lightly one year after planting.

2 Year Old Roots 25 Barr's Mammoth \$0.50 \$1.25 \$10.00 1.25 Conover's Colossal..........50 10.00 1.25 Giant Argenteuil...... .5010.001.25 Palmetto or Eclipse..... 10.00 Washington (Rust Proof)... .652.00 16.00 If above are wanted by parcel post add 20c.

for 25; 25c. per 100 for postage. 3 Year Old Roots 25 100 1000 Barr's Mammoth......\$0.65 \$2.00 \$15.00 2.00 15.00Giant Argenteuil..... 2.00 15.00 .65 2.00 Palmetto or Eclipse..... .6515.00 If above are wanted by parcel post, add 20c.

for 25; 25c. per 100 for postage. **BRUSSELS SPROUTS (Ready in July)**

Matchless Improved (Hotbed Grown). 25 for 30c. (by P. P., 40c.); 85c. per 100 (by P. P., \$1.00); per 1000, \$6.50.

CABBAGE PLANTS

Early Sorts. From hotbeds. Wakefield and All Head only. Ready April 15th. 75c. per 100 (by P. P., 90c.); per 1000, \$6.50.

Early Sorts. Cold frame plants. Ready April 1st. \$1.00 per 100 (by P. P., \$1.15);

per 1000, \$8.50.

Late Sorts. Ready July 1st, in Late Flat Dutch, Danish Ball Head and Red Dutch Drumhead varieties only. Per 100, 75c. (by P. P., 90c.); \$5.50 per 1000.

CAULIFLOWER PLANTS (Ready April 1st)

Snowball variety only. From hotbeds. 25c. per doz. (by P. P., 35c.); per 100, \$1.75 (by P. P., \$1.95).

Snowball variety only. Pot-grown. 75c. per doz.; per 100, \$5.00. Not mailable.

CELERY PLANTS (Ready in July) White Plume, Giant Pascal, Winter Queen and Golden Self-blanching. 75c. per 100 (by P. P., 90c.); per 1000, \$6.00.

CHIVES (Ready in April)

Strong Plants. 3 for 50c. (by P. P., 60c.); doz., \$1.50 (by P. P., \$1.65); \$10.00 per 100. EGG PLANTS (Ready after May 15th)

Pot-grown stock only.

New York Improved and Black Beauty. Per doz., \$1.00; \$7.00 per 100. Not mailable. HOP VINE (Hardy)

This makes a valuable shade plant, grown on arbors, trellis, etc.

Strong Pot Grown Plants. 3 for 75c. (by P. P , 90c.); doz., \$2.50 (by P. P., \$2.75); \$18.00 per 100.

HORSE RADISH ROOTS (Ready in March)

Maliner Kren (Bohemian). Large, strong cuttings, 35c. per doz. (by P. P., 45c.); per 100, \$1.50 (by P. P., \$1.65); \$12.00 per 1000.

LAVENDER (Ready in April)

Pot-grown plants. 3 for 75c. (by P. P., 90c.); per doz., \$2.50; \$18.00 per 100.

ETTUCE PLANTS

Heading varieties; our selection only. 25 for 25c. (by P. P., 35c.); 75c. per 100 (by P. P., 90c.); per 1000, \$6.00.

MINT (Hardy) (Ready in April)

Peppermint. Pot-grown plants. 3 for 60c. (by P. P., 75c.); per doz., \$1.50 (by P. P., \$1.75); \$10.00 per 100.

Spearmint. Pot-grown plants. 3 for 60c. (by P. P., 75c.); per doz., \$1.50 (by P. P., \$1.75); \$10.00 per 100.

PARSLEY PLANTS (Ready in April) Pot-grown. Per doz., \$1.00; \$7.00 per 100.

Not mailable. PEPPER PLANTS (Ready in May)

Bull Nose and Ruby King varieties only. Pot-grown plants. Per doz., \$1.00; \$7.00 per 100. Not mailable.

RHUBARB ROOTS

(Ready from October to May 15th)

Victoria. First Size Roots. 3 for 60c. (by P. P., 75c.); \$2.00 per doz. (by P. P., \$2.25); per 100, \$12.00.

ROSEMARY (Perennial)

(**Ready in April**)
Pot-grown plants. 3 for 75c. (by P. P., 90c.);
doz., \$2.50 (by P. P., \$2.75); \$18.00 per 100.

SAGE (Hardy) (Ready in April) Holt's Mammoth. Pot-grown plants. 3 for 60c. (by P. P., 75c.); per doz., \$2.00 (by P. P., \$2.25); \$12.00 per 100.

SWEET POTATO PLANTS (Ready in May)

Yellow and Red Nansemond. \$1.00 per 100 (by P. P., \$1.15); 1000, \$6.00. Not less than 100 plants of a variety can be furnished.

TARRAGON (Hardy) (Ready in April) Hardy if given protection in winter. Potgrown plants. 3 for \$1.00 (by P. P., \$1.15); per doz., \$3.00 (by P. P., \$3.25); \$20.00 per

THYME (Hardy) (Ready in April) English Broad Leaved. This is almost an indispensable herb. Pot-grown plants. 3 for 60c. (by P. P., 75c.); per doz., \$1.75 (by P. P., \$2.00); \$12.00 per 100.

TOMATO PLANTS (Ready after April 15th)

Pot-grown Plants in the following varieties only: Earliana, Stone, Dwarf Stone, Ponderosa, Crackerjack. Per doz., 75c.; \$5.00 per 100. Not mailable.

MICHELL'S SELECTED HAND PICKED FIELD CORN

Plant 8 to 10 qts. per acre in hills for shelled corn or for silo, or sow 11/2 to 2 bushels broadcast for fodder.
Our strains of corn are not the common kinds usually found in abundance

on the market; we pay as much attention to carefully selected stocks in all lines of farm seeds as we do the critical vegetable and flower seed part of the business. This is particularly true of field corn where re-selection means the limit of crop with little or no increase in cost. It is amazing to realize where the old unselected seed is used, the average crop per acre is only half compared to the more intelligent selection of strains. Our stock is selected for size of ear and fodder, uniformity of kernel and the careful finish of the tip and butt, all of which means a considerable increase in production.

> A NEW FIELD CORN Mellinger's Golden Oueen

A high yielding variety of yellow dent noted for heavy production of both grain and silage. It has given the highest average yields in 23 variety tests conducted during five consecutive years by the Delaware County (Pa.) Farm Bureau, proving superior to the better known varieties. A hardy, resistant corn, producing a good ear on every stalk, with few nubbins. Ears large, showy; rows straight; butts and tips well filled. Grains square cut, moderate in depth, with uniform, dimpled dent easily distinguishing it from other varieties. Fodder heavy and leafy, 10 to 12 ft. tall, averaging 12 to 14 tons of silage per acre. On fertile soil capable of yielding 90 bushels shelled corn or 20 tons silage. Season two or three days shorter than Cloud's Yellow Dent. Our seed has been especially grown for seed purposes and carefully

selected to type.

Price, 25c. per qt. (by parcel post, 35c.); 4 qts., 90c. (by parcel post, \$1.10); \$1.50 per peck (by parcel post, \$1.75); per bushel, \$5.00.

Champion White Pearl. An immense yielder, maturing in about 115 days; kernels deep set and snowy white; the merits of this corn are surprising.

Cloud's Early Yellow Dent. Our stock of this is grown on especially prepared ground. Every grain is uniform and perfect. Though the fodder grows often 10 feet high, the crop is matured in 100 days. The ear is about 10 inches long with a very thin cob when shelled, while the canary yellow grains are about 34 of an inch long. It delights in rich soil if the best is expected of it.

Drought Proof. Long yellow grain produced on long thin cobs: matures in

Drought Proof. Long, yellow grain, produced on long thin cobs; matures in 90 to 100 days, and yields well under trying weather conditions.

Early Canada Flint (Eight Rowed). A medium broad grained variety, perfectly smooth on the end and very hard. Makes a desirable sort for late planting. The cobs are very thin when shelled; excellent for pigeon and poultry feed.

Golden Beauty. The broad, massive golden yellow dented grains are arranged very evenly on gigantic ears. Fodder is enormous, often growing 12 feet high; matures late, but yields wonderful crops; desirable for silo and ensilage

purposes.

Learning Early Dent. This variety has always been used foremost by most planters of field corn in the locality of Philadelphia. Beautiful long ears of deep grained, uniform kernels. The cob when shelled is very small. The stalks grow about 7 feet high, very leafy, excellent for fodder, and on the average will produce two ears to the stalk; ripens in 90 days and occasionally crops 100 bushels to the acre. Every grain is uniform and perfect.

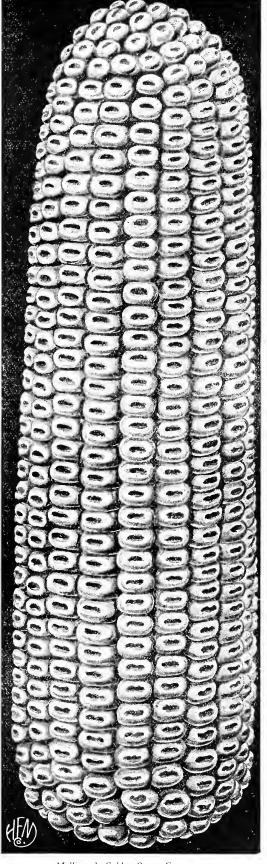
Reid's Yellow Dent. A splendid late variety with an average record of 100 bushels per acre; small cob, deep bright yellow grain.

Red Cob Ensilage. A long, narrow, white grain; a late maturer, and used for silo, green feed or ensilage purposes. A tall, rank grower and prolific in leaves. White Cap Yellow Dent. A large eared variety with hard, large grain, quite deep; matures in about 100 days. The grain is light yellow, with a white end or face.

Price for any of the above varieties of Field Corn (except where noted), 25c. per qt. (by parcel post, 35c.); 4 qts., 65c. (by parcel post, 85c.); \$1.00 per peck (by parcel post, \$1.25); \$3.50 per bushel.

2 Bu. Seamless Bags used in shipping field Corn are chargeable at 50c. each, but are returnable for credit, if in good order and free of expense to us.

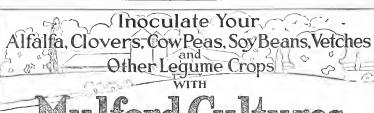
STANLEY'S CROW REPELLANT
It rids your Corn Crop of Crows and other corn pulling birds, and animal pests, such as Moles, Gophers, Woodchucks, Prairie Dogs, Squirrels, etc. Saves loss of seed and labor of replanting. Positively will not clog any planter. Aids and hastens germination of seed corn. Protects seed from rotting in the ground. Insures larger yields per acre. Is non-poisonous and will not injure the seed. Will not kill birds or animals, but well keep them away and prevent destruction by them. Has been used successfully by experienced corn growers for over ten years. Large can, enough for two bushels of seed corn, \$1.50; small can, enough for one bushel, \$1.00.



Mellinger's Golden Queen Corn

For Corn Planters, see Page 145.







Large Returns

Easy to Use



Mulford Cultures contain pure, tested strains of active, vigorous nitrogen-fixing bacteria, for inoculating seeds of legumes or soil. Mulford Cultures are scientifically prepared and tested with the utmost care and skill. Enormous numbers of these very valuable and desirable bacteria are thus available to you in every package of Mulford Culture and may readily be applied to your The sealed bottle insures purity.

Legumes offer the best knows means of maintaining soil fertility and rejuvenating overcropped and worn-out fields. They add both humus and nitrogen to your soil and thus increase your yield of wheat, cotton, corn and other non-legume crops.

Always specify on your order what crop you want to inoculate, as there is a different strain of bacteria for each legume. Vetch Crimson Clover Sweet Clover Red Clover Alsike Clover Burr Clover Cow Peas Soy Beans

Peanuts

Velvet Beans Sweet Peas Garden Peas Garden Beans Lima Beans Lespedeza Beggar Weed and others

5-Acre Size......\$5.00 1-Acre Size..... 1.50 1/4-Acre Size.... Small Size (Supplied only in four varieties, for Garden Peas, Garden Beans, Lima Beans and Sweet Peas)..... .35 SPECIAL NOTE

The quantity of bacteria furnished in the Mulford Cultures is based on the area or acreage to be inoculated and we recommend that, for best results, the cultures be used on this basis.

In the case of some crops, which are sown with a comparatively small amount of seed per acre, there is sufficient Mulford Culture in a package to inoculate seed for two or three times the acreage indicated on the label.

Free Descriptive Folder Sent upon Request

Farmogerm is Economical. The makers claim for it-No other

inoculant on the market is so strong and virile; no other inocu-

lant will thoroughly treat as much seed. The one-acre size

bottle of Farmogerm is sufficient for 15 pounds of clover, 20

pounds of alfalfa, 100 pounds of Canada Field Peas, 60 pounds

of Vetch, etc. A different bacteria is required for each crop. When ordering, be sure to state what crops you wish to inoculate.



A Seed Inoculant that Increases **Crop Production**

Farmogerm keeps for years. Because of the method of sealing the bottle-a patented stopper which admits filtered air and keeps out all impurities—Farmogerm is just as good in five years as when first bottled. Farmogerm always has its full strength. Just

add water and shake the bottle and sprinkle over the seeds as directed. Your crop will benefit beyond your expectations. A special composite culture is prepared for Peas, Beans and Sweet Peas—1/4-acre size only. You'll get more peas and beans, and

larger sweet peas by using this. Ask for No. 5, price 50c.
Farmogerm prices are: 1-Acre Size, \$1.00; 3-Acre Size, \$2.50 (by mail, \$2.60); 12-Acre Size, \$9.00 (by mail, \$9.10). Full directions accompany each bottle.



Accelerates Seed Germination Stimulates Plant Growth Controls Seed Diseases Increases Crop Yields

Semesan, a complex organic mercurial, while primarily a disinfectant for the control of seed borne diseases, possesses at the same time the remarkable properties of accelerating and increasing germination, producing more vigor-

ous seedling growth and increasing crop yields from five to forty per cent. It is suitable for the treatment of field, truck, forage and cereal crops, as well as flowers, grasses and ornamental plants.

Application of Semesan by either the dusting or liquid methods will in no way harm the seed germ.

Semesan is the most effective means of controlling "Brown Patch" which attacks the turf of golf courses, tennis courts and It may also be used with splendid results for general agricultural purposes such as the disinfection of greenhouse soils, beds and tools and the cleansing of smut or other disease spores from grain harvesting equipment.



POTATOES (Grown with Semesan) Planted Feb. 7, 1924 Photographed April 11, 1924 TREATMENT

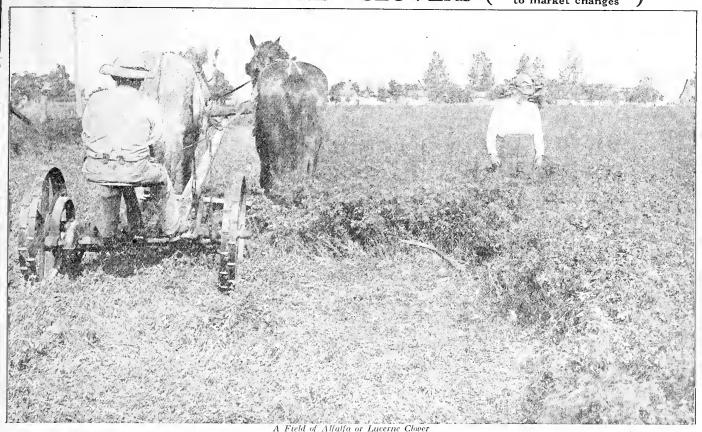
-Soaked in water 30 minutes. -Immersed in liquid Semesan for 30 minutes.

3-Immersed in liquid Semesan for one hour.

PRICE OF SEMESAN	
2 ounce bottles\$0.	60
4 ounce bottles	00
8 ounce tin cans	60
1 pound tin cans	75
5 pound tin cans	00
25 pound tin cans	50
It is unlawful to send Semesan via parcel post: shipme	nt
will be made by express.	

Semesan Booklets upon Request

ALL PRICES SUBJECT TO MARKET CHANGES



A Field of Alfalfa or Lucerne Clover

Alfalfa or Lucerne (Medicago-Sativa). The most valuable forage crop on the American farm today, and can be truly termed a mortgage lifter. It is sown during May, August and September, these being the best months for success, although it can be sown at other times with a possible chance of doing well. Careful preparation of the soil previous to sowing is the main thing. Our special Circular on Alfalfa explains this fully, and is free for the asking. Sow not less than $\frac{1}{2}$ bushel (30 lbs.) per acre, preferably with no other crop. Our seed is always over 99 per cent pure, and will invariably give the best of results. Choice Non-Irrigated Western Grown Seed. 40c. per lb. (by parcel post 50c.).

Grimm Alfalfa. Claimed to be hardy in any and all regions, a heavy yielder and of deep rooting ability. Highly recom-mended by various State Experiment Stations. Requires about 10 lbs. of Grimm Alfalfa to properly seed an acre, on account of its great root system and spreading habit. 45c. per lb. (by parcel post, 55c.).

Alsike or Swedish Clover (Trifolium Hybridum). One of the best for mixing with timothy; it is perfectly hardy in every climate or soil condition and seldom has to be reseded. Under ordinary conditions it grows from 1 to 2 feet high; it is sown early in the spring or late summer and early autumn. It is as nutritious as red clover and is rapidly coming to the front as a valuable farm crop. Sow 10 to 15 lbs per acre alone, or 8 lbs. per acre with Timothy. 35c. per lb. (by parcel post, 45c.).

Bokhara or Sweet Clover (Melilotus Alba). While extensively used as a bee food, this is a valuable variety for soiling (green manure); for sowing in spring on lands which are later to be sown in Alfalfa, this is excellent. It inoculates the ground and seems to render it more capable of insuring a good stand of Alfalfa than if it is not used. It grows from 3 to 5 feet high, according to soil and location; can be cut as often as three times in a season if wanted for forage. Sow 15 lbs. per acre in early spring, alone, or 10 lbs. per acre with other crops. We handle only the true white flowering hardy variety. **Seed.** 30c. per lb. (by parcel post, 40c.). Choice Hulled

Prices for quantities larger than 5 lbs., will be quoted on request.

Crimson Clover (Trifolium Incarnatum). This is used principally for soiling or green manuring, for which purposes it is highly valuable. If desired for feed, cut it just before it flowers. When desired for green manure, it should be allowed to mature; its height is from 1 to 2 feet. Sow any time from April to October, the earlier the better, 20 lbs. to the acre. If sown in early spring it can be plowed down the first year. Late summer or fall seeding is usually practiced. It is not hardy for more than one season and must be sown each year. 25c. per lb. (by parcel post, 35c.).

Hubam (Annual White Sweet Clover). A new strain of annual white flowering clover. One of the best fertilizing plants, and a wonderful hay and pasture crop. Sow 12 pounds per acre broadcast or 3 pounds in cultivated rows early in the spring Price, scarified seed, 50c. per lb. (by parcel post, 60c.); 5 lbs., \$2.40 (by parcel post, \$2.60); \$4.50 per 10 lbs. (by parcel post, \$4.90); 25 lbs., \$10.00; \$37.50 per 100 lbs.

Mammoth Red Clover (Trifoium Pratense Perenne). Sometimes called Sapling or Pea Vine Clover and English Cow Grass. This differs from the "Medium," being of a ranker growth and yielding more fodder per acre. It ripens somewhat later and is more hardy, lasting several seasons longer than the medium red clover. It also does well on poorer soils. Sow in early spring or in July and August, using 20 lbs. per acre alone, or with other crops 10 lbs. per acre; flowers pink. It can be cut several times in a season. 50c. per lb. (by parcel post, 60c.).

Red Clover, Medium (Trifolium Pratense). More widely known and used than any other; used principally for hay purposes. Height from 18 inches to $2\frac{1}{2}$ feet. Sow early in the spring or in late summer—July and August; if alone, 20 lbs. per acre; if with other crops, 10 lbs. per acre. A red clover field can be cut twice a season. 45c. per lb. (by parcel post, 55c.).

White Dutch or Lawn Clover (Trifolium Repens). This is valuable for pasturage as well as for lawns; it succeeds where other clovers and grasses fail, and it seldom dies out. It can be sown at all seasons, although early spring is best; flowers greenish white. Sow 10 to 12 lbs. per acre if alone, or 5 lbs. if sown on old turf or with other crops. 5c. per pkt; oz, 10c; 25c. per 14 lb.; 14 lb., 45c. (by parcel post, 50c.); 85c. per lb. (by parcel post, 95c.); 5 lbs., \$4.00 (by parcel post, \$4.25); \$7.75 per 10 lbs. (by parcel post, \$8.10); per bu. of 60 lbs., \$45.00; \$75.00 per 100 lbs. Prices on White Clover subject to change.

MICHELL'S HIGH GRADE FARM SEEDS, Etc.

ALFALFA (See page 85) BARLEY

The straw is good for green feed or when cured, as hay. The grain in the hull is excellent poultry feed. If wanted for hay it should be cut while the grain-head is in a soft or milky condition. Sow broadcast 1½ to 2 bushels per acre from May 15th to July 1st. 48 lbs. per

Barley makes an ideal nurse crop for spring sown Alfalfa. When sown in connection with Alfalfa, use ½ to ¾ bushel per acre broadcast; when ripe, harvest as usual or cut and

Beardless. New York grown stock; frequently yields 50 bushel per acre. 20c. per qt. (by parcel post, 30c.). Larger quantity, price upon application.

Note—While offered as beardless, barley has the fault of reverting back to its type which is bearded, so that some bearded heads will invariably appear in the field.

BEANS, SOJA OR SOY

This very valuable farm plant enriches the ground in which it is planted by the free nitrogen gathered from the air, and which is deposited in the ground by the roots, leaving it in ideal condition, and rich in nitrogen for the next crop. Fodder is relished in either green or dry form by cattle and dairy cows. Excellent to combine as feed with hay or corn. The seed when harvested and ground into meal is fed with great advantage to milch cows, mixed with bran or any soft feed; it gives the milk a very rich flavor. Sow 1½ bushels per acre alone, or ½ bushel Soja Beans with one bushel Cow Peas. Sow in drills $2\frac{1}{2}$ feet apart, any time from the first to the last of May. If wanted for silo it will be ready for harvest about the first of September, when the pods will be well filled; yields as high as 20 tons of green food per acre. 60 lbs. per bushel.

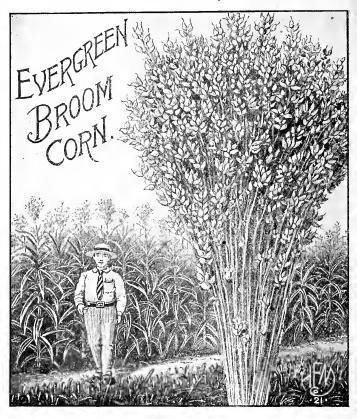
Mammoth Yellow (Late). 25c. per qt. (by parcel post, 40c.). Wilson (Early), 25c. per qt. (by parcel post, 40c.). Larger quantity, price upon application.

Beardless Barley



Mammoth Yellow Soja Beans

2 Bu. Seamless Bags required in shipping Farm Seeds on 1 Bu. lots and over, are chargeable at 50c. each, but are returnable for credit.



BROOM CORN

The chief value of this plant lies in the top or brush, as it may be called, which is made into brooms. The fodder grows to a height of about nine feet, and is suitable for bedding. Sow in May, about ten pounds per acre, in drills 3 feet apart. Plants should be thinned out to stand 3 inches apart in the row.

This sort produces extremely straight brush, retaining its green color well after ripening, thus commanding the highest market prices. Yields 1000 lbs. of salable brush per acre. Bushel, 50 lbs. 20c. per qt. (by parcel post, 30c.). Larger quantity, price upon application.

BUCKWHEAT (See next page)

CANADIAN FIELD PEAS

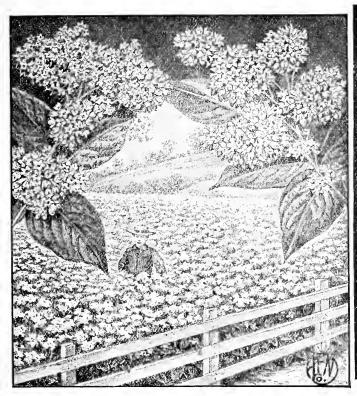
These are used for various purposes, chief among them being a very early green food; when used this way they are sown with oats about April 1st at the rate of $1\frac{1}{2}$ bushel of Peas and $1\frac{1}{2}$ bushel of Oats to the acre either drilled or broadcasted. They are cut just after the peas flower and fed green; sheep, hogs and cattle relish them keenly. They may be sown successively up to July if one has the available land. Peas may also be sown alone at the rate of 3 bushels per acre and furnishes excellent hay. For plowing under as green manure, they add a vast amount of nitrogen to the soil and succeeding crops sown there the same year or even later, particularly wheat, are wonderfully benefitted by producing a more luxuriant growth and larger yield. The dried peas are extensively fed to pigeons v hile when ground as meal is an excellent addition to the regular sof t food of cows, sheep and horses. 25c. per qt. (by parcel post, 40c.). Larger quantity, price upon application.

CARROT

These should form a staple crop on every farm, as they can be successfully used in feeding horses, cows, poultry, sheep and pigs. They are easily grown, are little trouble to harvest, store and keep. On page 57 we offer a long list but for farm purposes the three varieties below are best, being the largest yielders; sow 3 to 4 lbs. per acre.

Oz.	¼ lb.	Lb.	5 lb.	P.P.
Danvers Half Long\$0.25	\$0.70	\$2.00	\$8.75	\$8.90
Long Orange		2.00	8.75	8.90
White Belgian	.50	1.25	5.50	5.65

MICHELL'S HIGH GRADE FARM SEEDS



Japanese Buckwheat

BUCKWHEAT (Japanese)

In the locality of Philadelphia this is sown any time from June 1st to July 15th, one bushel of 48 lbs. broadcasted to the acre. If one has the ground prepared and the opportunity, it can be sown as early as May 1st. It makes a very fine quality of flour, but is largely used for poultry food. For planting adjacent to game preserves it provides excellent food for the birds. The flower makes ideal bee food, while the straw is very abundant. Our seed is grown by a specialist in New York State. Any of the clover crops can be sown with buckwheat, these to mature the following season. Buckwheat frequently yields as much as 80 bushels to the acre. 20c. per qt. (by parcel post, 30c.). Larger quantity, price upon application.

CANADIAN PEAS (See Page 86) CARROTS (See Page 86) CLOVER SEED (See Page 85)

COTTON SEED

Sea Island. If sown early in May, will mature in the latitude of Philadelphia. 15c. per ½ lb.; lb., 40c. (by parcel post, 45c.); \$1.25 for 5 lbs. (by parcel post, \$1.40).

COW PEAS

Cow Peas are one of the best, largest yielding and most nutritious of the farm crops; they provide the most inexpensive methods of bringing soil back to a stage of fertility. On ordinary ground they will yield from 10,000 to 20,000 lbs. of green fodder to the acre. They grow in the poorest kind of soil, leaving it very rich in ammonia. In the latitude of Philadelphia sow from May 1st to July 1st, two bushels per acre broadcast, or one bushel per acre in drills. For a large crop sow the seed as late as possible.

Black. One of the popular varieties extensively grown. It is

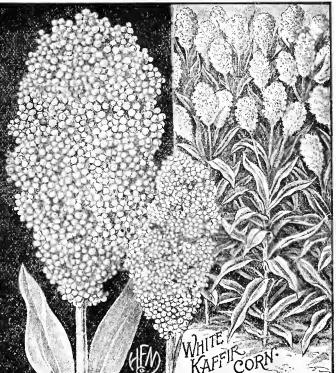
Black. One of the popular varieties extensively grown. It is very prolific and matures early. It is of upright growth, consequently preferred for ploughing under or for grazing stock.

Large Black Eye. An exceedingly heavy cropper, but late to mature. In the South the seed of this variety is sold for dried peas for household use; it is claimed they are quite delicious. Whippoorwill. Medium early; upright growing; a variety more extensively used than any other. The seed is gray speckled,

a heavy producer of both pods and fodder. Some claim this variety gathers more nitrogen than others.

25c. per qt. (by parcel post, 40c.). Larger quantity, prices

upon application.



CORN, WHITE KAFFIR (for Seed)

The grain is used for feeding poultry and the fodder for cattle. Grows from 4 to 6 feet high, the grain being produced on the top of stalk in the shape of a brush; frequently as many as four heads of grain will be found on a single stalk. It usually ripens after the first few frosts; produces enormous crops. Can be sown as late as July at the rate of 10 lbs. per acre in drills. (Bu. 56 lbs.) 15c. per lb. (by parcel post, 25c.). Larger quantity, price upon application.

FLAX

This is grown for the fibre from which linen thread is made and also for the seed from which that indispensable product, "Linseed Oil," is made. When ground it makes an excellent tonic when fed to horses, cattle and poultry. If sown to harvest seed, plant 1 bushel to the acre from May 15th to June 15th. If desired for the fibre, sow $1\frac{1}{2}$ to 2 bushels (bushel, 56 lbs.). 20c. per lb. (by parcel post, 30c.). Larger quantity, price upon application.



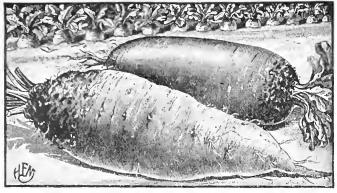
A Field of Cow Peas

Two bushel seamless sacks, used in shipping farm seeds, in one bushel lots and over, are charged for at 50c. each; returnable at price charged if in good condition and prepaid.

MICHELL'S HIGH GRADE FARM SEEDS

SUDAN GRASS

An annual, and must be sown each year. Resembles millet somewhat; stock seems to relish it; will yield from 2 to 4 tons per acre. Sow in drills or broadcast 16 to 24 lbs. per acre; several cuttings can be made from a sowing in one season. Thrives excellently in a season of drought. Price, 20c. per lb. (by parcel post, 30c.); larger quantity, price upon application.



Michell's Mammoth Long Red and Golden Tankard Mangels

MANGEL WURZEL

Sow 5 lbs. per acre in April and May in thoroughly plowed, well-manured soil, in drills about 24 inches apart. Thin out to 12 inches apart in the row, and keep the weeds down by frequent hoeing and cultivating. Low ground is best adapted for Mangel-Wurzels. They provide excellent winter food for cattle, sheep, hogs and poultry.

Golden Tankard. The best long yellow mangel in cultivation. Relished by cows, sheep and hogs. Matures earlier than other large sorts. Per oz., 10c.; 20c. per ½ lb.; lb., 60c. (by parcel post, 67c.); \$2.50 per 5 lbs. (by parcel post, \$2.65).

Lane's Improved White Sugar. This variety attains an enormal sugar and the control of the cont

Lane's Improved White Sugar. This variety attains an enormous size, growing considerably above the ground; one of the best for stock feeding. Per oz., 10c.; 20c. per ¼ lb.; lb., 65c. (by parcel post, 72c.); \$2.50 per 5 lbs. (by parcel post, \$2.65).

Mammoth Long Red. This is an enormously productive variety, yielding from 50 to 75 tons to the acre, a single root often weighing from 20 to 40 pounds. It is the best long red mangel. Per oz., 10c.; 20c. per ½ lb.; lb., 60c. (by parcel post, 67c.); \$2.50 per 5 lbs. (by parcel post, \$2.65).

MILLET

Can be sown as late as July 15th and yield a tremendous crop. Is also desirable for green manuring, when it should be turned under when about 10 inches high. Makes an excellent green food for stock. If used for hay it should be cut just as it matures.

Hungarian. The seed produces hay not so fine in quality as the "Golden," also fully a foot less in height. It can, however, be sown some 2 weeks later. Sow 1 bushel (50 lbs.) per acre. 15c. per lb. (by parcel post, 25c.); larger quantity, price upon application.

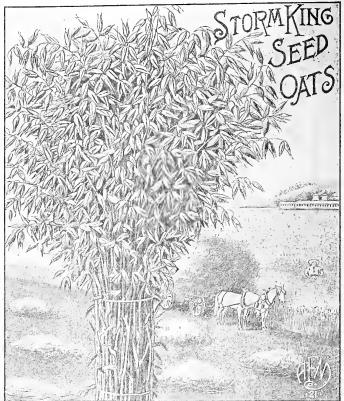
Japanese Barnyard. This wonderful Millet yields possibly more fodder than any other forage plant. Frequently as high as 12 tons of green food has been obtained from an acre. If sown early in May it may be cut twice in one season. Sow 12 lbs. per acre broadcast, any time from May 1st to June 15th. 15c. per lb. (by parcel post, 25c); larger quantity, price upon application.

Tennessee Golden. This requires a longer season to mature than the other sorts; it produces a very fine quality of hay and makes a larger seed head. In good seasons it grows about 4 ft. high. Sow 1 bu. (50 lbs.) broadcast to the acre, from April 10th to July 10th. 15c. per lb. (by parcel post, 25c.); larger quantity, price upon application.

RAPEDwarf Essex. This can be pastured 8 weeks after sowing; sow in succession, as the stock eat it close to the ground and it will not stand pasturing any great length of time. Sow 6 lbs. per acre broadcast, from April 1st to October 1st. It produces enormous crops, and is ideal green manure. Stock feeding on it, should have ready access to salt. 20c. per lb. (by parcel post, 30c.); larger quantity, price upon application.

SPELTZ, or EMMER

This seed resembles barley, but is a much larger yielder, producing frequently as high as 80 bushels of grain per acre, and that on the poorest land. The hay if cut green is desirable for horse or cattle feed, while the straw after threshing is equal to wheat straw. The grain is desirable for feeding to hogs or poultry. Sow as you would wheat, 2 bushels to the acre any time after April 1st; the earlier the better. 40 lbs. per bushel. Price, 20c. per qt. (by parcel post, 30c.); larger quantity, price upon application.



SEED OATS

We make quite a specialty of these, having them grown especially on contract for us; they are large, plump, free from weed seeds or other foreign substance, and of high vitality. Sow them at the rate of $2\frac{1}{2}$ to 3 bushels per acre alone or $1\frac{1}{2}$ bushels with peas, during April, for best results.

Storm King (Pedigree Stock). Our strain of this variety was

Storm King (*Pedigree Stock*). Our strain of this variety was brought from Russia ten years ago, and is, without a doubt, the finest and plumpest oats we have ever seen. The straw is very stiff, often measuring five feet in height. Often yields 85 bushels per agre. Price 20g. per et. (by percel pert. 20g.)

per acre. Price, 20c. per qt. (by parcel post, 30c.).

Swedish or Washington. The long, erect straw is noted for its ability to stand up in rough weather; grains are very plump and nearly pure white in color.

Victory (New). Originated at the Royal Seed Breeding School of

Victory (New). Originated at the Royal Seed Breeding School of Sweden. Straw is of good length and stands up well; heads are branching and well filled with grain of the finest quality for milling or feeding purposes. Price, 20c. per qt. (by parcel post 30c.).

Welcome. A well-known and extensively grown variety; extra strong straight straw; large plump grains; very productive. Price of Oats, except as noted, 15c. per qt. (by parcel post, 25c.); larger quantity, price upon application.

Semesan. A new preparation for treating oats to guard against Smut and other fungus diseases (see page 84).

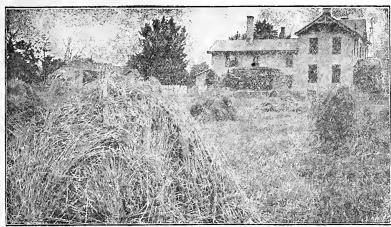


FORMALDEHYDE

Improved Treatment for Oats Smut Use one pint of Formaldehyde in 10 pints of water and with a spray pump direct a spray into each shovelful of grain as it is being shoveled over on a clean floor or canvas. This quantity, 11 pints, will

treat 55 bushels at the rate of 1 pint to 5 bushels. Grain may be immediately sacked. Formaldehyde will increase the yield of oats, wheat, barley and rye materially. Per pint bottle, 50c.

MICHELL'S HIGH GRADE FARM SEEDS



A Bumper Crop of Spring Rye

RYE (for Seeding)

Spring. An excellent early green food, or for pasture; the grain is used for feeding and other purposes, while the straw is a very fine quality, making a larger yield than the winter rye from which it is quite distinct, the seed being smaller. Sow from May 1st to June 1st. 56 lbs. per bu. Don't sow Winter Rye in Spring as it will not grow at that season. 25c. per qt. (by parcel post, 35c): larger quantity, price upon application.

as to win loc glow at that season. 20ce per qu. (35c.); larger quantity, price upon application.

Pennsylvania White Winter. This may be sown in the autumn as late as November, making a very fine yield of long, stiff straw, or may be used as a cover crop. Winter rye will not mature if sown in spring. 20c. per qt. (by parcel post, 30c.);

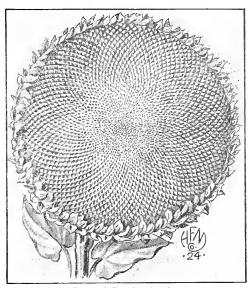
larger quantity, price upon application.

Rosen Winter Rye. An improvement on the Pennsylvania White Winter Rye, from a standpoint of yield, as to grain and straw. Weight of rye is 56 lbs. per bushel, sow 1½ bushels per acre. 20c. per qt. (by parcel post, 30c.); larger quantity, price upon application.



SUGAR CANE or SORGHUM

Early Amber. Either green or in a cured state this makes ideal cattle food; it imparts a desirable flavor to milk. The seed can be threshed out of the stalks and used as poultry feed. It is a tremendous producer, growing often 12 feet high; it stands the hot, dry weather and can be cut several times in one season. Sow 25 lbs. of seed to the acre in drills $3\frac{1}{2}$ feet apart; 1 or 2 bushels broadcast. 50 lbs. per bushel. 25c. per qt. (by parcel post, 35c.); larger quantity, price on application.



Mammoth Russian Sunflower

SUNFLOWER

Mammoth Russian. This makes a splendid poultry food, especially for winter use, on account of its heating and fattening qualities; will yield sometimes as high as sixty bushels per acre. Sow 10 qts. per acre in drills 3 feet apart, dropping the seed about every 4 inches. Prices (subject to change): 15c. per lb. (by parcel post, 22c.); 5 lbs., 70c. (by parcel post, 85c.); \$1.35 per 10 lbs. (by parcel post, \$1.65); bushel (25 lbs.), \$3.25.

TIMOTHY SEED

Our stocks of this important hay producing seed are especially fine; thoroughly recleaned, and free from weeds. If sown alone it requires ½ bushel to seed an acre; if sown with wheat 8 to 10 quarts are the usual quantities. 45 lbs. per bushel. 20c. per lb. (by parcel post, 30c.); larger quantity, price upon application.

VETCHES or TARES

This has been used in Europe for many years as a stock food and green manuring or cover crop. It does best if sown with rye; the latter gives it support and thus ensures enormous crops. It makes an ideal hay and it is a pity that every American farmer does not use it. It fertilizes the ground without further trouble or cost, on account of the free nitrogen it gathers from the air. It produces a peculiar vine plant with very narrow fo liage and elongated flowers of pinkish lavender, in clusters. The height when supported is frequently 4 feet.

Winter Vetch (Vicia Villosa). Sometimes called Sand or Hairy Vetch. Our stock of this is the true type, imported by us direct from Russia; which will absolutely live throughout the winter.

Sow from August 1st to October 1st, but the earlier the better, broadcast, 1 bushel per acre, to which we suggest adding a bushel of winter rye or wheat. In the spring it can be plowed under as green manure, or when in flower cut for hay. All stock relish it keenly. Price, 25c. per lb. (by parcel post, 35c.); larger quantity, price upon application

Spring Vetch (Vicia Sativa). The seed of this is larger than the "Winter" and of a brownish gray color. It is not hardy and must, therefore, be sown in the spring during May or June, 1 to 2 bushels per acre if broadcast, and 1 bushel if in drills, with either spring wheat, spring rye or oats, for support. Has the same desirable features as the winter vetch. Price, 20c. per lb. (by parcel post, 30c.); larger quantity, price upon application.

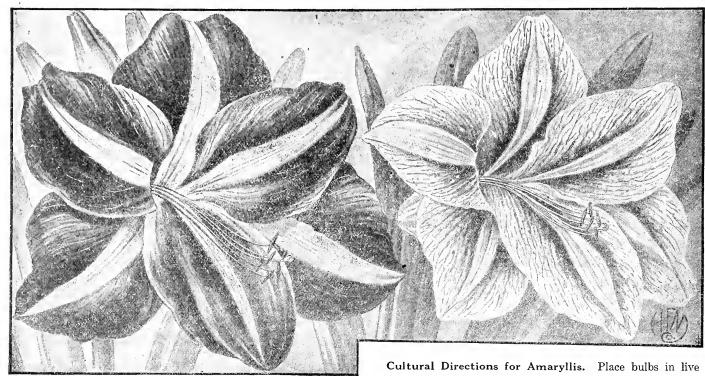
SPRING WHEAT

A desirable crop to sow where fall sown wheat has been killed by severe winter; the grain is very hard, of excellent milling quality.

Macaroni is made from this variety.

Saskatchewan Fife. A favorite sort in this locality and is used on account of its prolific, vigorous growth and early qualities. It often produces 50 bushels per acre. Sow in April or May, 1½ to 2 bushels per acre, broadcast or in drills. Price, 25c. per qt. (by parcel post, 40c.); larger quantity, price upon application.

Two Bushel seamless sacks, used in shipping farm seeds, are charged for at 50c. each; returnable at price charged if in good condition prepaid.



Amaryllis, Hybrids of Vittata

AMARYLLIS

One of the most gorgeous showy house plants, giving splendid satisfaction, not only because of their requiring little care, but also on account of their everlasting nature and tendency to increase. Belladonna. A beautiful bright pink. 50c. each; doz., \$5.00 (by parcel post, \$5.25).

Formosissima. Crimson. 30c. each; doz., \$3.25 (by parcel

post, \$3.40).

Hippeastrum Equestre. A garden species, producing large, bright red flowers. 60c. each; \$5.00 (by parcel post, \$5.50).

Hybrids of Vittata. The finest race of Amaryllis in cultivation, exceeding in the size and fine form of their flowers as well as in the diversity of colors and markings all former hybrids; flowers striped and flaked. \$1.00 each (by parcel post, \$1.10); doz., \$11.00 (by parcel post, \$11.50).

BEGONIAS (Tuberous Rooted)

Enormous wax-like flowers appear uninterruptedly from June until frost. Plant bulbs outdoors about May 1st or start indoors any time prior to then.

SINGLE BEGONIAS

Each	Doz.	100	Each	Doz.	100
Crimson.\$0.35	\$3.75	\$27.50	Scarlet. \$0.35	\$3.75	\$27.50
			White35		
			Yellow35		
Salmon35	3.75	27.50	Mixed35	3.75	27.50

DOUBLE RECONIAS

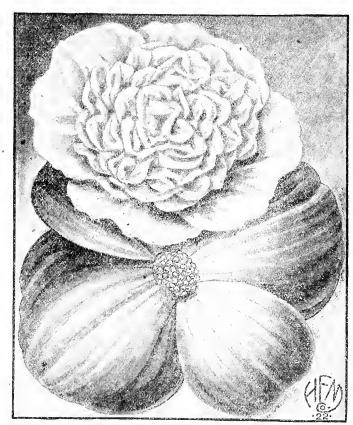
		20			_		
	Each	Doz.	100		Each	Doz.	100
Crimson.	\$0.40	\$4.50	\$32.50	Scarlet	50.40	\$4.50	\$32.50
Orange.	.40	4.50	32.50	White	.40	4.50	32.50
Pink	.40	4.50	32.59	Yellow	.40	4.50	32.50
Salmon	40	4.50	32.50	Mived	40	4 50	32.50

BEGONIA, CRISPA

The edge of each flower petal is exquisitely frilled.							
	Each	Doz.	100	Each	Doz.	100	
Orange.	\$0.40	\$4.50	\$32.50	Scarlet \$0.40	\$4.50	\$32.50	
Pink	40	4.50	32.50	White40	4.50	32.50	
Rose	40	4.50	32.50	Yellow40	4.50	32.50	
'Salmon	40	4.50	32.50				

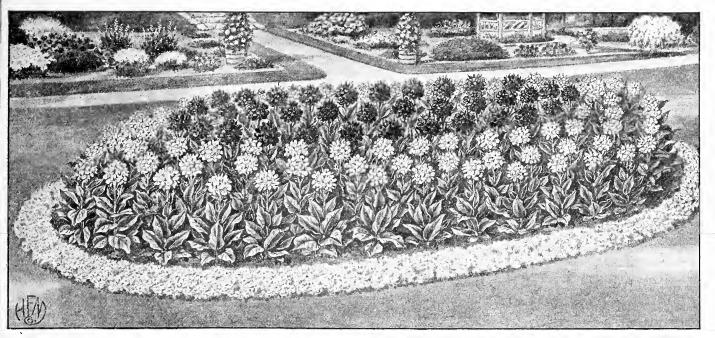
If Begonia bulbs are wanted by parcel post, add 15c. per doz., 35c. per 100, for postage. (Single bulbs mailed free.)

moss, only moderately moist, near window of a warm room. When the first sign of growth appears through the top, pot them up in six inch pots; when the bulb is set, most of it should be above the soil. Water moderately at first, but increase as growth increases. then place in a warm, light room near the window.



Tuberous Rooted Begonias, Single and Double

MICHELL'S CHOICE CANNAS—(ROOTS)



PLEASE NOTE: The heights given for Cannas are as they average in our Nurseries. This height may vary, depending on soil, weather and climatic conditions.

Alphonse Bouvier. Rich velvety red; green foliage; 5 feet. Roots, 20c. each; doz., \$2.00; \$12.50 per 100.

Austria. A tall-growing variety with gigantic blooms of a lemon chrome, spotted red; 5 feet high; foliage green. Roots, 20c. each; doz., \$2.00; \$12.50 per 100.

City of Portland. A glowing pink, deeper in color than its parent, Mrs. Alfred F. Conard, and the flowers are borne in greater profusion; height, 3½ ft.; foliage, green. Roots, 25c. each; doz., \$2.50; \$15.00 per 100.

Eureka. The best white variety; free bloomer; green foliage; 4 feet. Roots, 20c. each; doz., \$2.00; \$12.50 per 100.

Firebird. This is in every respect one of the best red flowered, green-leaved Cannas. The petals measure $2\frac{1}{2}$ inches and more across; the color is a brilliant scarlet, without any spots; $4\frac{1}{2}$ feet. Roots, 20c. each; doz., \$2.00; \$12.50 per 100.

Florence Vaughan. Yellow, spotted crimson; green foliage; 5 feet high. Roots, 20c. each; doz., \$2.00; per 100, \$12.50.

Gladioflora. Remarkable on account of the unusual shape of the flowers, which resemble a Gladiolus; color, crimson changing to carmine rose and edged with gold; green foliage; 3 feet. Roots, 20c. each; doz., \$2.00; \$12.50 per 100.

Hungaria. Plant is dwarf and of compact growth; rich peach blossom pink. It is a free, early and continuous bloomer. Foliage green and very massive; height, $3\frac{1}{2}$ feet. Roots, 25c. each; doz., \$2.50; \$15.00 per 100.

Karl Merck. Fine large flowers and large truss; color, pure yellow with tinge of orange and flecked with pink dashes, becoming red in throat; green foliage; 4 feet. Roots, 20c. each; doz., \$2.00; \$12.50 per 100.

King Humbert. Truly a king among cannas, because of its majestic growth, which is doubly enhanced by its massive truss of coppery scarlet flowers. The foliage is deep bronze, very broad and of wonderful robust habit, growing $4\frac{1}{2}$ feet high. Roots, 20c. each; doz., \$2.50; \$12.50 per 100.

Meteor. Of compact growth; broad green foliage, surmounted with large heads of bright red flowers; grows about $4\frac{1}{2}$ feet high. Roots, 20c. each; doz., \$2.00; \$12.50 per 100.

CANNA ROOTS VIA PARCEL POST

If desired by this mode of shipment please add 5c. per root; 25c. per doz., and 75c. per 100 for postage charges.

Mme. Crozy. Scarlet, bordered golden yellow; green foliage; 3 feet. Roots, 20c. each; doz., \$2.00; \$12.50 per 100.

Morning Glow. Large flowering; color, shell pink; light green foliage; 4 feet. Roots, 20c. each; doz., \$2.00; \$12.50 per 100.

Mrs. Alfred F. Conard. The gigantic flowers which are borne in immense clusters, are of delightful salmon pink, a shade which becomes more brilliant as the flower develops. Foliage is light green; 4 feet. Roots, 25c. each; doz., \$2.50; \$15.00 per 100.

Richard Wallace. Gigantic clusters of light yellow flowers; green foliage. 4½ feet. Roots, 20c. each; doz., \$2.00; \$12.50 per 100.

Rosea Gigantea. The largest pink canna in existence; color, a rich rose pink; free bloomer; foliage green; height, $3\frac{1}{2}$ feet. Roots, 25c. each; doz., \$2.50; \$15.00 per 100.

The President. This splendid new variety produces immense flowers of a rich, glowing scarlet; superior in quantity and quality of bloom to any other red variety; green foliage; 4 feet. Roots, 20c. each; doz., \$2.00; \$12.50 per 100.

Venus. A gay rosy-pink with a well defined border of creamy yellow; green foliage; 4 feet. Roots, 20c. each; doz., \$2.00; \$12.50 per 100.

Wintzer's Colossal. Vivid scarlet flowers of immense size; profuse bloomer; height 5 feet; green foliage. Roots, 20c. each; doz., \$2.00; \$12.50 per 100.

Wyoming. Orange chrome red; bronze foliage; 6½ feet. Roots, 20c. each; doz., \$2.00; \$12.50 per 100.

Yellow King Humbert (Queen Helen). This is a sport of the well-known bronze-leaved variety, but this sort has green foliage; about 4½ feet high, with masses of golden yellow flowers, dotted red; occasionally some will be streaked red. Roots, 20c. each; doz., \$2.00; \$12.50 per 100.

Mixed Cannas. All colors. Roots, 15c. each; doz., \$1.50; \$8.50 per 100.

PRICES OF CANNA PLANTS

Please note that the prices quoted above are for dry roots. If plants are wanted they are ready about May 10th, and will be supplied at the following prices, 3 for \$1.00 (by P. P., \$1.20); doz., \$3.50; \$22.50 per 100. Please specify if roots or plants are wanted, when ordering.

Testimonial

Easton, Pa.

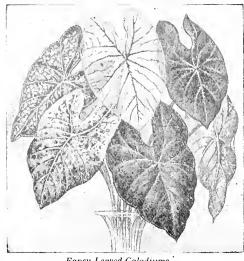
Received today my order of Canna Roots and will thank you for the very good stock; I never saw anything like them; also for the very careful packing.

A. F.

MICHELL'S MISCELLANEOUS SUMMER-FLOWERING BULBS

FANCY LEAVED CALADIUMS

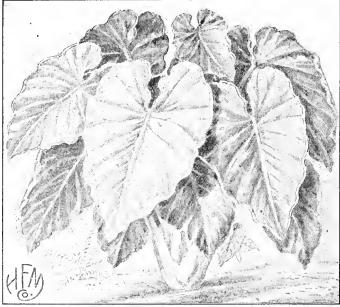
These are grown for us by one of the leading Hybridizers in the world. They are the most charming conservatory plants. Being of a tropical nature, they like a warm temperature. They do quite well outdoors during the summer, if planted in a shaded place. The foliage covers a wide range of colors, making a grand display. The bulbs should be started moss with plenty of bottom heat.



Fancy Leaved Caladiums

Price of Fancy Leaved Caladiums, strictly first size bulbs, in named varieties. 35c. each; doz., \$3.50 (by parcel post, \$3.60); \$20.00 per 100.

Mixed Varieties. 30c. each; doz., \$3.00 (by parcel post, \$3.10); \$18.00 per 100.



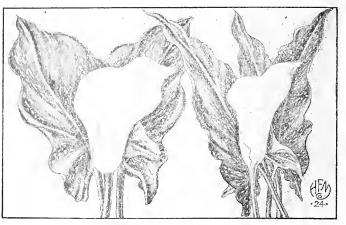
v aladium Esculentum

CALADIUM ESCULENTUM (Elephant's Ear)

As centerpieces in flower beds Caladiums are fine. They make an excellent edging for tall-growing plants. Do not plant outdoors until after May 1st, but to get them in early growth, they may be started indoors.

		Ву		$_{\mathrm{By}}$
	Each	P.P.	Doz.	P.P.
Monster Bulbs, 11-13 in. circum	\$0.50	\$0.60	\$4.00	\$4.50
Mammoth Bulbs, 9-11 in. circum	.30	.40	3.00	3.50
First Size Bulbs, 7-9 in. circum	.20	.25	2.00	2.25

CANNAS (See Page 91)



Yellow Calla

Spotted Calla

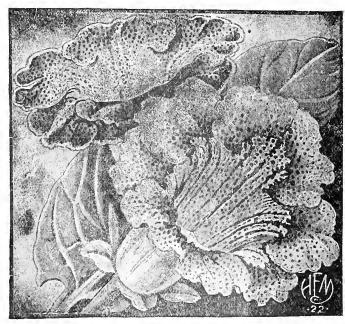
CALLAS Splendid as a pot-plant for the window garden or for growing outdoors, preferring a shaded location. May be started inside any time prior to May 1st, after which they can be safely planted out. Doz. Each

Elliottiana. Yellow flower as large as the common white Calla; spotted leaf (Mammoth bulbs) \$0.40 \$30.00 Spotted. Flowers white; foliage green, spotted white 3.00 20.00

If wanted by parcel post, add 5c. on single bulbs or 25c. per doz. for postage.

CRINUM These are closely related to the Amaryllis and are very attractive.

Fimbriatulum (Milk and Wine Lily). A strong grower, not particular as to soil; flowers in umbels, large and showy; striped white and carmine; 3 to 4 inches in diameter. 40c. each (by P. P., 50c.); \$4.00 per doz. (by P. P., \$4.50).



Gloxinias

GLOXINIAS

A gorgeous plant either for the conservatory or garden. The plants must be well shaded from sunlight and placed in a position free from draught. They should be given but little water until active root growth commences. Bulbs may be started as early as January, but should not be set outdoors until after May 15th. Choice Mixed Colors. 40c. each (by P. P., 45c.); \$4.50 per doz. (by P. P., \$4.75); \$30.00 per 100.

MICHELL'S SUPERB DAHLIAS

NEW AND MERITORIOUS VARIETIES

Abbie E. Wilkins (*Hybrid-cactus*). A hybrid cactus of the true type. A pleasing combination of light flesh and cerise. Tubers, \$1.50 each.

Aibonita (Decorative). Immense flower of a bright glowing pink, shading to rich golden yellow at center. Tubers, \$2.50 each.

Amanda D. Greinberg (Hybrid-cactus). Soft, dark crimson; very large flower with long, loose, broad petals; never shows a control. This is an approach to the control of the control

open center. This is an unusual variety. Tubers, \$1.25 each.

Ambassador (Cactus). Salmon buff shaded lighter at tips of petals; splendid full center of canary yellow; large flowers measuring nine inches in diameter, and held erect above foliage

on strong stems. Tubers, \$5.00 each.

Amun Ra (Decorative). Of immense size, and entirely new formation; resembles in color a glorious setting sun. The colors are copper and orange, deepening in center to a rich, dark, reddish bronze. Always a prize winner. Tubers, \$4.00 each.

Barbara Latz (Paeony). Very large and free in bloom. It has fine upright stems and is very showy in its soft yellow tone.

Tubers, \$1.50 each.

Bashful Giant (Decorative). One of the largest dahlias ever produced and excellent for exhibition purposes. Color is apricot with golden shadings, a very beautiful flower. Tubers, \$3.50 each.

Bazaar (Decorative). A large flowering variety; color is soft

chrome yellow overlaid with red. Tubers, \$4.00 each.

Bonnie Brae (Decorative). Cream, shaded blush pink; the flowers are true decorative form, and immense in size. A wonderful exhibition flower. Tubers, \$1.50 each.

> CALVIN COOLIDGE, Jr. (Decorative) (See color plate opposite page 94)

A true decorative Dahlia which created a sensation when exhibited last fall; introduced by John M. Root, an expert in Dahlia culture, and one who has several fine varieties to his credit.

The flowers are immense and beautifully shaped, never showing an open center. In color it is rose pink, heautifully suffused with salmon, shading deeper towards the center while the petals are distinctly edged with gold. The blooms, which are produced in abundance, carry themselves erect and well above the foliage on long, stiff stems.

Truly a wonderful flower and splendid acquisition to any

collection.

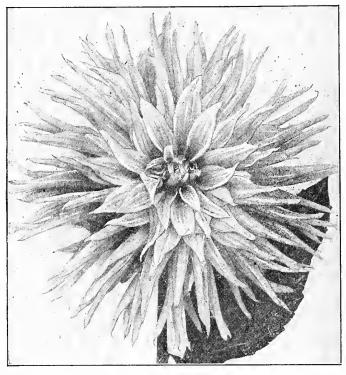
This Dahlia was named by special permission of President and Mrs. Coolidge.

Tubers will be furnished in April as long as stock permits, after which thrifty green plants will be supplied in May.

Price, \$10.00 each.



Decorative Dahlia, Amun Ra



Cactus Dahlia, Ambassador

Champagne (Decorative). The color is rare and delightful, a dull golden champagne, varying to chamois. The stem is heavy and holds the massive flowers upright. Tubers, \$5.00 each.

Cornelia (*Decorative*). Immense flower and free bloomer. Lovely pink tint shading to white. Tubers, \$2.00 each.

Daddy Butler (Hybrid-Cactus). An exceptionally fine flower, blooming profusely. Color, American Beauty rose shades, the reverse of the petals a lighter tint. Tubers, \$3.00 each.

Esther R. Holmes (Hybrid-cactus). Orchid pink flower of wonderful formetic model distributed for the contraction of the

derful formation and depth. A continuous first prize winner. Tubers, \$2.00 each.

Emma Marie (Hybrid-Cactus). Clear violet rose, with creamy white center; straight stem and large flower. Fine for exhibi-tion and a wonderful cut flower. Tubers, \$10.00 each.

E. J. Titus (Paeony). Color, bright buttercup yellow, of true paeony type. The petals are large and have a graceful twist; the inner petals are smaller and nicely curled about the center.

Some blooms are almost decorative in type. Tubers, \$1.50 each. **El Dorado** (*Decorative*). Size, stem and color are of the best; of a vivid gold color which deepens at base of petals. Tubers, \$7.50 each.

Elsie Oliver (Hybrid-Cactus). Creamy pink shading to cream in the center; of immense size and formation. Tubers, \$4.00 each.

FLORENCE MICHELL (Decorative)

(See color plate opposite page 95)

Another seedling from the gardens of Mr. John M. Root, who is well known as a hybridizer of several of the leading varieties which merits a noteworthy place in one's collection. A Dahlia, because of its beautiful and striking color and masses of artistic blooms, attracted much attention and admiration wherever shown.

In color it is a beautiful creamy white with a suggestion

of shell pink. The petals are long and nicely formed, while the center is full throughout the season. The stem is strong and erect and the bush growth excellent.

Tubers will be furnished in April as long as stock permits, after which thrifty green plants will be supplied in May. Price \$10.00 each.

Prices of Dahlia Roots on this page include postage.

MICHELL'S SUPERB DAHLIAS

NEW AND MERITORIOUS VARIETIES

Francis Seaman (Decorative). Silvery-rose pink; large, finely-formed flowers held erect on fine stems. Tubers, \$4.00 each.

Giant Ruby (Decorative). Deep scarlet; an enormous flower with great depth. A prolific bloomer with long, stiff stems; extra good for exhibition. Tubers, \$5.00

Gladys Bates (Cactus). Of perfect form and closed center, incurved petals of tan, with a reverse of rose. Tubers, \$1.50 each.

Gladys Sherwood (Hybrid Cactus). An immense white prize winning Dahlia; recommended for the show or garden. Tubers, \$1.50 each.

Gypsy (Decorative). Flowers are enormous and never show an open center; color scarlet and gold. Tubers, \$2.50 each.

Helen May (Hybrid Cactus). Pink shaded scarlet. Fine flowers and very much admired. Tubers, \$1.50 each.

Henry F. Michell (Decorative). Produces immense. heavy flowers of a true brilliant scarlet, 8 to 9 inches in diameter and from 5 to 6 inches in depth. The growth of this variety is remarkable, attaining a height of 7 to 8 feet without forcing. Tubers, \$2.50 each.

Hercules (Decorative). Quilled enormous flowers, colored tangerine and deep yellow, the reverse of petals shaded tangerine. Exceptionally free bloomer. Tubers, \$5.00 each.

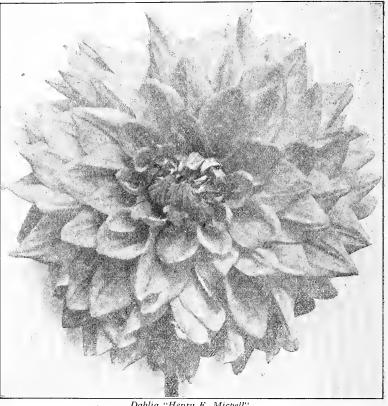
Illuminator (Paeony). Brilliant red flowers of very large size. Tubers, \$3.00 each.

TESTIMONIAL

Bridgeton, N. J. I received the Dahlia tubers and they were the finest I ever bought of anyone.



Decorative Dahlia "Kiiiy Dunlap"



Dahlia "Henry F. Michell"

Ingleside (Hybrid Cactus). A true pink and a very fine variety; Tubers, \$2.00 each.

Isola Bella (Hybrid Cactus). Yellow shaded with salmon; medium size flowers with good stems; excellent cut flower. Tubers, \$1.50 each.

Jersey Jewel (Decorative). Mallow pink; very large, long petaled flowers, on good stems. A splendid exhibition variety; flowers can be had nine inches without disbudding. Tubers, \$10.00

Judge Alton B. Parker (Decorative). Very large flowers; free blooming; color, golden buff. Tubers, \$2.50 each.

Judge Marean (Decorative). This wonderful big flower is borne on fine, upright stems. The color is salmon pink, yellow and red in such combination as to give an iridescent effect. Tubers. \$2.00 each.

Kenneth Doolittle (Decorative). Giant flowers on splendid stems; color, crimson scarlet, exceptionally fine. \$1.50 each.

Kitty Dunlap (Decorative). This wonderful variety is one of the most popular to date and should be in every collection. In color it is a delightful shade of amaranth pink shaded purple; the flowers are produced on long stems, measure 8 inches in diameter and full to the center. Tubers, \$3.00 each.

Laddie (Decorative). Soft, yellow shades of orange; the large flowers are produced in profusion, and are always held erect on strong stems. Tubers, \$1.50 each.

Lady Betty (Decorative). A large finely formed flower, produced on strong, stiff stems; color, creamy white with a pink suffusion, attractive and lovely color. Tubers, \$2.00 each.

Lecian Von Bernuth (Hybrid Cactus). Flame color, shading to yellow center; flowers average 8 inches or over and are held well above the foliage. Tubers, \$2.50 each.

Prices of Dahlia Roots on this page include postage.





NEW AND MERITORIOUS VARIETIES



Dahlia (Hybrid Cactus). Mrs. John M. Root

Lolita Velasco (Cactus). Truly a perfect white cactus. Extremely long petals; excellent center and immense size. Tubers, \$5.00 each.

M. H. De Young (Decorative). Pure old gold. Always a mass of large deep blooms on stiff stems. Tubers, \$7.50 each.

Mariposa (*Hybrid Cactus*). Beautiful shade of true pink; center intensified and suffused with a faint violet, which adds to the beauty of this variety. Tubers, \$4.00 each.

May Griffe (Cactus). A very fine pink dahlia. Excellent for the garden or exhibition purposes. Tubers, \$5.00 each.

Marie Louise (Decorative). Large double flowers, which are a beautiful yellow with a faint touch of salmon pink; indeed a choice variety. Tubers, \$5.00 each.

Mephistopheles. As an exhibition flower this variety has no peer; large blooms held perfectly erect on gigantic stout stems, will keep for days at an exhibition and continue to grow. Color, ruby red, showing golden yellow points at the very end of the petals, thereby greatly enhancing its effectiveness. Tubers, \$2.00 each.

Minamoto (*Hybrid Cactus*). Bright velvet scarlet of enormous size and depth. Tubers, \$1.00 each.

Ming (Cactus). A large well formed flower of flaming orange-Tubers, \$3.50 each.

Miss Eleanor M. Winter (Paeony-Decorative). A choice dahlia, suitable for show or garden purposes; color yellow blended with pink. Tubers, \$2.00 each.

Moonlight (Decorative). A finely formed yellow variety, suited for either the show or the garden. Tubers, \$1.50 each.

Mrs. Alvin A. Parker (Hybrid-Decorative). Beautiful orangeflame; flowers very large on long, stiff stems. A free bloomer and a variety suitable for all purposes; has met with great favor wherever exhibited. Tubers, \$5.00 each.

Mrs. Carl Salbach (Decorative). The immense blooms of mauve pink are held erect on extra long strong stems. A perfect exhibition and cut-flower variety. Tubers, \$1.00 each.

Prices of Dahlias on this page are postpaid.

Mrs. Ethel F. T. Smith (Cactus). Creamy white, shading to a lemon tint in the center. It has produced flowers 10¾ inches in diameter; strong stems. Tubers, \$1.50 each.

Mrs. Geo. W. Elkins, Jr. (Decorative). The flowers are very large (8 to 9 inches in diameter) and of perfect decorative type, always full to the center. The color is a beautiful old gold, suffused salmon pink, with faint reflex of rosy pink. It is a perfect garden and exhibition variety with exceptional keeping qualities. Won the Certificate of Merit at the California Trial Grounds and Trial Gardens at Storrs, Conn., 1922. See color plate opposite page 96. Tubers, \$2.50 each.

Mrs. Henry T. Holladay, Jr. (*Hybrid Cactus*). Large flowers of dull crimson dusted with silver; of stiff wiry stems. Tubers, \$2.50 each.

Mrs. John M. Root (Hybrid Cactus). An enormous flower of pure canary yellow. One of the largest varieties ever produced; the petals are long, broad and slightly twisted, giving the flower great diameter and depth. The bushy plants attain a height of 6 to 7 feet without forcing. Winner of the Penna. Horticultural Society Silver Medal in 1922 and 1923. Tubers, \$10.00 each.

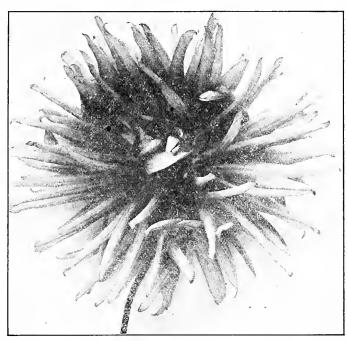
Mrs. John T. Scheeper's (Decorative). Upon opening the flowers are clear, canary yellow, which is gradually changed to a beautiful delicate shade of pink suffusion on the outer petals. Tubers, \$7.50 each.

Mrs. I. De. Ver Warner (Decorative). An immense lavender, held on fine, long stems; very strong grower and free bloomer; an exhibition variety of great merit. Tubers, \$3.50 each.

Mrs. W. T. Hunter (*Hybrid-cactus*). Beautiful pink flowers of large size; good for all purposes. Tubers, \$1.50 each.

Mt. Shasta (*Hybrid-cactus*). A light shell pink with a faint tinge of yellow showing towards the center; an extra fine, full deep flower of large size. Tubers, \$1.50 each.

Oberon (Hybrid-cactus). Immense deep flowers; old rose with a violet suffusion; strong upright stems. Tubers, \$3.00 each.



Cactus Dahlia, May Griffe

NEW AND MERITORIOUS VARIETIES

Papillon (Cactus). An incessant bloomer on strong stems; color, old rose with golden lights. Tubers, \$4.00 each.

Pink Rosebud (Cactus). A choice pink variety; fine for cutting. Tubers, \$1.50 each.

Pride of Wayne (*Decorative*). Produces flowers of enormous size, on stiff stems, rich plum color. A fine exhibition variety. Tubers, \$1.50 each.

Prima Donna (*Hybrid-cactus*). Cream flushed with a delicate shade of pink. Flower is large and held well above the foliage. Tubers, \$1.00 each.

Robert Treat (Decorative). Large massive flowers, 8 to 10 inches in diameter, and often six inches deep at the center; in color, American Beauty Rose. Tubers, \$10.00 each.

Rodman Wanamaker (Decorative-paeony). A wonderful color effect in autumn shades and tints; buds are light lemon yellow and as each petal expands the color changes to golden salmon with a salmon pink, bronze suffusion. Tubers, \$10.00 each.

Rookwood (Decorative). Entirely new shade of pink, pure bright cerise rose faintly touched with magenta. Large deep flowers on straight stems. Tubers, \$4.00 each.

R. G. (Paeony). Large red flowers; a wonderful keeper. Tubers, \$3.00 each.

Rosa Nell (Decorative). The color is a clear, bright rose; the flowers are large and come perfectly full and double until frost; good stems and habit; the color and form are rare and attract immediate attention. Tubers, \$1.50 each.

Ruth Phillips (*Hybrid-cactus*). Another fine and choice yellow variety, suitable for both garden and show purposes. Tubers, \$1.50 each.

Serpolette (Decorative). Deep lavender with bluish tints; a beautiful variety. Tubers, \$3.00 each.

Sequoia Gigantea (*Decorative*). A grand buttercup yellow with a suggestion of red. Tubers, \$1.00 each.



Hybrid Cactus Dahlia, Ruth Phillips



Dahlia (Hybrid Cactus) Theodore Roosevelt

Shudow's Lavender (Decorative). Silvery lavender slightly shading to white; large flowers. Tubers, \$4.00 each.

Susan G. Tevis (Decorative). Early and free bloomer; color is a deep shade of lilac with a bluish sheen. Tubers, \$7.50 each.

THEODORE ROOSEVELT (Hybrid Cactus)

A new and attractive Dahlia which we are introducing this year, having proven itself worthy of a place among the best. The flowers, which are large, measuring seven inches across, are a beautiful shade of lemon yellow, deepening towards the center, which is splendid, often hidden by a wealth of incurved petals. A free bloomer, flowering profusely; well set above the foliage on long, wiry and stiff stems.

This variety will be found acceptable for all purposes. Tubers ready in April.

Price \$6.00 each.

T. A. Leonard (Decorative). A giant flower, color of which is a deep cerise or a bright carmine rose. Tubers, \$3.00 each.

Tommy Atkins (Decorative). Flaming scarlet, so full of metallic lustre as to make it different from other red varieties. Tubers, \$3.50 each.

The Emperor (Decorative). A large maroon of the finest type; the flowers are made up of long flat petals; stems extra long. Tubers, \$2.50 each.

Typhinnie (Decorative). Bright shell pink shading lighter at the tips of the petals; at base and throughout petals, golden yellow; very pretty. Tubers, \$2.00 each.

The U. S. A. (Decorative). A truly beautiful flower of vivid orange. The mammoth flower has a very unique formation and is held on a good stem. Tübers, \$2.00 each.

Venus (Decorative). Creamy white suffused lavender; very fine for cutting. Tubers, \$2.50 each.

Wizard of Oz (Decorative). A variety difficult to describe; color, a rare shade of glowing amber pink or soft salmon shades. Tubers, \$5.00 each.

Valley Forge (Decorative). Flowers of enormous size on stiff stems; color, light purple tinted with white. Fine for exhibition. Tubers, \$2.50 each.

Prices of Dahlias on this page are postpaid.



GENERAL LIST OF FINE STANDARD VARIETIES

See pages 93 to 95 for New and Meritorious Varieties

Our list of Dahlias has this year been most carefully revised and is made up of the newer and better sorts of more recent introduction. The tendency of buyers seems to be toward this end, and for that reason our action. If our customers want some of the older standard sorts not found in our list, we shall be pleased to supply them when available.

Note-Unless specially requested we do not send Dahlias out until about March 15th to April 1st.

The natural season for the Dahlia to be at its best is during September and October; in fact, effort to get superior blooms, before that time should not be attempted. To get large flowers, the plants should be disbudded up to August 1st.

Spade or plow the ground to a depth of about 10 inches. As a fertilizer, use either well-rotted stable manure, or, better still, sheep manure, which should be well mixed with the soil. When the soil is properly prepared, dig a hole, 6 inches deep, in which to plant the Dahlias. The bulbs should be laid down flat and covered to a depth of 4 inches. Every Dahlia should have from $2\frac{1}{2}$ to 3 feet space and at least 4 feet between the rows.

As soon as the plants are a foot above the ground they should be tied to a stake. Keep the ground well cultivated and free from weeds. Never leave more than one shoot to a plant if you want to grow exhibition flowers. You will have better plants and larger flowers.

About Dahlia Plants. It happens sometimes that there is an unusually large demand for certain varieties, and our stock of roots becomes exhausted. In such instances we will send out strong plants after May 1st, after which time most all Dahlia orders for plants are filled, these give equally as good results as tubers or roots.

A. D. Livoni (Show). Shell pink; free and early. 35c. each; doz., \$3.50.

Alewine (Pompon). Delicate pink, tinted lilac. 25c. each; doz., \$2.50.

Apple Blossom (Single). Light pink. 25c. each; doz., \$2.50.

Attraction (Cactus). Perfect clear lilac rose; flowers on long, strong stems; finest cut flower variety. 75c. each; doz., \$7.50.

Avalanche (Decorative). Pure white flowers of enormous size. 60c. each; doz., \$6.00.

Azalea (Decorative). Cream yellow suffused salmon and red. 75c. each; doz., \$7.50.

Berthe von Heemsteede (Paeony). Yellow suffused bronze. 35c. each; doz., \$3.50.

Betty Austin (Cactus). Yellow blending to rosy carmine; very fine. \$1.00 each.

Break O'Day (Decorative). Clear, sulphur yellow; large flower. 35c. each; doz., \$3.50.

Candeur (Cactus). White; long stems; fine for cutting. 35c. each; doz., \$3.50.

Carmen Sylva (Decorative). Fine, bright silvery pink. 50c. each; doz., \$5.00.

Cleopatra (Paeony). Red and yellow. 35c. each; doz., \$3.50. Crystal (Cactus). Silvery pink; very fine for cutting. 50c. each; doz., \$5.00.

Dr. Tevis (Decorative). Salmon rose. \$1.00 each.

Decision (Cactus). Bronze color; very large. 50c. each; doz., \$5.00.

Dream (Decorative). Beautiful pink; fine cut flower. 50c. each; doz., \$5.00.

Dreer's Yellow (Show). Clear yellow. 35c. each; doz., \$3.50. Edna Spencer (Cactus). A delicate and exquisite shade of orchid pink. \$1.00 each.

Etendard de Lyon (Decorative). Magenta; very large flowers. 50c. each; doz., \$5.00. F. W. Fellows (Cactus).

Bright orange scarlet; huge flowers. 50c. each; doz., \$5.00. Fayette (Collarette).

Bright scarlet with light yellow collar. 25c. each; doz., \$2.50.

Francis White (Cactus). Pure white; long stems. 40c. each; doz., \$4.00.

Frank Thomas (Decorative). Buff; very large flower. 75c. each; doz., \$7.50.



Cactus Dahlia, Attraction

Geisha (Paeony). Wonderful combination of red and gold. \$1.00 each.

Geo. Walters (*Hybrid Cactus*). Salmon pink suffused with gold at center; a wonderful dahlia. \$1.00 each.

General Pershing (Decorative). Creamy white. 40c. each; doz., \$4.00.

Glory of Nijkerk (Paeony). Cerise to purple violet. 60c. each; doz., \$6.00.

Golden Century (Single). Golden yellow. 25c. each; doz., \$2.50. Golden West (Cactus). Golden shrimp pink. 50c. each; doz., \$5.00.

Helen Durnbaugh (Decorative). Shell pink. 60c. each; doz., \$6.00.

Hortulanus Fiet (Decorative). Rich salmon pink. 75c. each; doz., \$7.50.

Hortulanus Witte (Decorative). White; free bloomer; good cut flower variety. 35c. each; doz., \$3.50.

Insulinde (Decorative). Rich golden bronze; a beautiful variety. \$1.25 each.

Irene Satis (Decorative). Yellow shading bronze. 50c. each; doz., \$5.00.

Jean Chazot (Gay Paree) (Hybrid Cactus). Beautiful golden bronze slightly suffused Nasturtium red. \$1.00 each.

John Wanamaker (Paeony). Lavender pink; a good cut flower. 40c. each; doz., \$4.00.

alif (Cactus). Vivid turkey red; very large. 50c. each; doz.,

Kalif (Cactus). \$5.00.

King Albert (Decorative). Purple; excellent cut flower. 50c.

each; doz., \$5.00.

Klein Domitea (Pompon). Bright amber. 25c. each; doz., \$2.50.
L. Kramer Peacock (Decorative). White; fine for cutting.

40c. each; doz., \$4.00.

La Favorite (Hybrid Cactus). Bright salmon shading to salmon pink. 60c. each; doz., \$6.00.

Leo XII (Cactus). Sulphur yellow. 60c. each; doz., \$6.00. Liberty Bell (Decorative). Yellow and old rose. 60c. each; doz., \$6.00.

Single roots of Dahlias mailed free. If 6 of a variety which take the dozen rate are wanted by Parcel Post, add 25c. for postage; if 12 are wanted by Parcel Post, add 35c. for postage.

Madonna (Hybrid-cactus). Ivory white; a fine variety. 40c. each; doz., \$4.00.

Magpie (Cactus). Velvet red striped white. 35c. each; doz., \$3.50.

Marguerite Bouchon (Cactus). Pink, tipped white. 35c. each: doz., \$3.50.

Mary Steffenson (Decorative). Citron yellow blending to rosalene pink. 35c. each; doz., \$3.50. [aud Adams (Show)]. White, suffused lilac; very free bloomer.

Maud Adams (Show). 35c. each; doz., \$3.50.

Maurice Rivoire (Collarette). Rich crimson maroon, white collar. 25c. each; doz., \$2.50.

Millionaire (Decorative). Giant lavender, shading to white at the center. \$1.25 each.

Mina Burgle (Decorative). Dark scarlet. 35c. each; doz., \$3.50. Mme. A. Lumiere (Decorative). Very attractive; white edged lilac rose. 40c. each; doz., \$4.00.

Mme. Butterfly (Decorative). Violet rose, shading darker at base.

75c. each; doz., \$7.50. Mme. Bystein (Paeony). Lavender. 35c. each; doz., \$3.50.

Mons. L. Ferard (Collarette). Carmine with white and purple

collar. 25c. each; doz., \$2.50.

Mrs. C. H. Breck (Cactus). Yellow, shaded old rose; large flowers. 35c. each; doz., \$3.50.

Mrs. Hugo Kind (Decorative). Large, massive red flower; fine for exhibition or garden purposes. \$1.25 each.

Mrs. J. Harrison Dick (Decorative). Fine yellow; a very fine cut flower variety. 50c. each; doz., \$5.00.

Mrs. Leo. Niessen (Cactus). Yellow at base suffused bronze red; fine for cutting. 75c. each; doz., \$7.50.

Mrs. Rosevelt (Decorative). Beautiful shell pink. 50c. each;

doz., \$5.00. Mrs. Thomas Burch (Decorative). A combination salmon, tan

and old gold. 50c. each; doz., \$5.00.

Mrs. Warnaar (Paeony). White overlaid blush pink. 35c. each;

doz., \$3.50. Nibelungenhort (Cactus). Sunflower yellow, tipped violet rose; fine cut flower. 75c. each; doz., \$8.50.

Pacific Glow (Paeony). Very fine pure pink. \$1.00 each. Parthos (Decorative). Purple shading to lavender. 50c. each; doz., \$5.00.

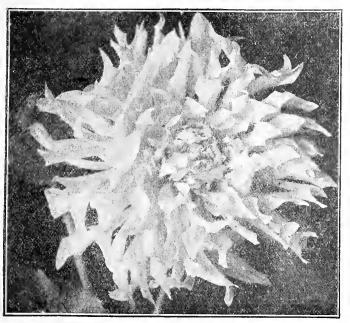
Patrick O'Mara (Decorative). Orange buff suffused salmon red; large flowers on long stiff stems. \$1.00 each.

Pierrot (Cactus). Deep amber, usually tipped white. 40c. each; doz., \$4.00.

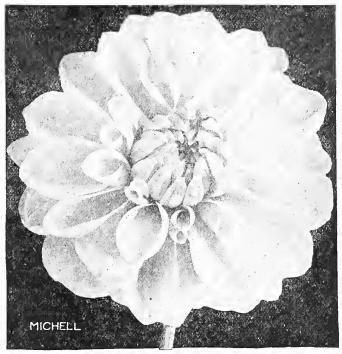
Praxatillis (Single). Maroon tipped white. 25c. each; doz., \$2.50.

President Lincoln (Paeony). Purple, yellow center. 40c. each; doz., \$4.00.

Pride of California (Decorative). A brilliant, glowing cardinal red, of very large size. 50c. each; doz., \$5.00.



Cactus Dahlia, Wacht Am Rhein



Show Dahlia, Maud Adams

Queen Elizabeth (Paeony). Beautiful rosy mauve; free bloomer. 35c. each; doz., \$3.50.

Queen Mary (Decorative). Cerise pink; long stem. 35c. each; doz., \$3.50.

Roselia (Pompon). Yellow and old rose. 25c. each; doz., \$2.50. Rube Girl (Cacius). Rose overlaid yellow; fine cut flower variety. 75c. each; doz., \$7.50.

Ruth Gleadell (Hybrid-cactus). Soft yellow shaded pink. 50c. each; doz., \$5.00.

Salomy Jane (Decorative). Perfect shaped flower of old gold tinted red. \$1.00 each.

Sequoia (Cactus). Fawn yellow; free bloomer. 35c. each; doz., \$3.50.

Scarlet Century (Single). Red. 25c. each; doz., \$2.50. Snowclad (Pompon). White; very fine. 25c. each; doz., \$2.50. St. Francis (Decorative). Color is terra-cotta; a very fine variety.

75c. each; doz., \$7.50. The Eagle (Hybrid-cactus). Large fine yellow flower. 50c. each; doz., \$5.00.

Theodore Vail (Hybrid-cactus). Large and fine white; good cut flower. \$1.25 each.

The Screamer (Pacony-decorative). Giant flowers; violet purple suffused mauve. \$1.00 each.

Tom Lundy (Decorative). A free bloomer on a good stem; color is a bold crimson. \$1.00 each.

Valient (Cactus). Crimson; fine for exhibition or the garden.

\$1.00 each.

Wacht Am Rhein (Cactus). Delicate pink with white suffusion. 35c. each; doz., \$3.50.

White Century (Single). Pure white. 25c. each; doz., \$2.50. Wodan (Cactus). Salmon color; a splendid cut flower variety. 50c. each; doz., \$5.00.

Wolfgang von Goethe (Cactus). Apricot shaded cardinal. 35c. each; doz., \$3.50.

DAHLIAS TO COLOR

Though named sorts, these are not labeled to variety, furnt ished in the following types and colors: Cactus, Show, Single and Decorative; in Pink, Red, White and Yellow, each separate. Price, 20c. each; doz., \$2.00.

Single roots of Dahlias mailed free. If 6 of a variety which take the dozen rate are wanted by Parcel Post, add 25c. for postage; if 12 are wanted by Parcel Post, add 35c. for postage.

There is no other Summer flowering bulb that is enjoying so great popularity as that of the Gladioli. There adaptability to garden decoration or to use as cut flowers during the Summer and early Autumn is surpassed by no other flower. They are not only showy in the garden but when cut with the first flower open, will last for 10 days in the house. They thrive in almost any good garden soil but better results may be had if soil is well prepared and enriched with some of our pulverized manures. Great improvements have been made in the size, color and beauty of these flowers. Our list comprises the best of recent introductions as well as the most popular of the earlier introductions. Plant bulbs 4 inches deep and from 4 to 6 inches apart.

NEW GLADIOLUS "Joerg's White"

The Great 1925 Novelty

Awards from New York Horticultural Society

> First Prize 1922 First Prize 1923 First Prize 1924

American Gladiolus Society A. G. S. Trophy, New York, 1924

Unquestionably the largest flowered white Gladiolus ever introduced. It is so far ahead of all the others in size, form and purity of color that it introduces a new class of Giant-flowered White Gladioli.

The illustration at right shows a spike, with seven full flowers in perfect condition, all looking "Straight at you." The lower flower of this particular spike measured $5\frac{1}{2}$ inches across, grown without any special treatment or artificial irrigation. Price, \$5.00 each, postpaid.



Gladiolus, Joerg's White

America. One of the best Gladioli in existence. The color is a beautiful flesh pink, tinged with lavender. The flowers are of the largest size, the petals are round, thick and strong, and will last a long time after being cut. A very free bloomer. 8c. each; doz., 75c. (by parcel post, 90c.); \$4.50 per 100 (by parcel post, \$4.85).

Anna Eberius. An extra fine variety and one that is destined to become very popular; color, dark velvety purple, throat a deeper shade; flowers large, on long spikes. 20c. each; doz., \$2.00 (by parcel post, \$2.15); \$12.50 per 100 (by parcel post, \$12.85).

Arizona. A new and one of the most fascinating varieties; long spikes of large flowers; color, fine dark pink with maroon markings on lower petals. 10c. each; doz., \$1.00 (by parcel post, \$1.15); \$5.00 per 100 (by parcel post, \$5.35).

Augusta. Produces graceful, slender stems, which are dressed with beautiful flowers of pure white, slightly tinged and striped pink, which open all at one time. 8c. each; doz., 85c. (by parcel post, \$1.00); \$5.00 per 100 (by parcel post, \$5.35).

Baron Hulot (Blue King). Large full round flowers, well arranged on long spikes. Color is a deep indigo blue, slightly marked white at the base of the throat. A variety used for contrasting with the yellow sorts. 15c. each; doz., \$1.35 (by parcel post, \$1.50); \$9.00 per 100 (by parcel post, \$9.35).

Brenchleyensis. One of the best for bedding or planting in front of shrubbery. The flowers are of a vermillion scarlet color. One of the most brilliant and effective. 8c. each; doz., 85c. (by parcel post, \$1.00); \$5.00 per 100 (by parcel post, \$5.35).

Type of Michell's Giant Flowering Gladiolus

Chicago White. One of the leading varieties for cut flower purposes. Pure white with lavender markings in the throat; early blooming; several flowers open at one time. 8c. each; doz., 85c. (by parcel post, \$1.00); \$5.00 per 100 (by parcel post, \$5.35).

Empress of India. Flowers are a rich shade of deep maroon, almost black; they are large in size, of good substance and borne on strong, stiff spikes, 12c. each; doz., \$1.25 (by parcel post, \$1.40); \$8.00 per 100 (by parcel post, \$3.35).

Evelyn Kirtland. Flowers of strong substance; color, a beautiful shade of rosy pink, darker at the edges, fading to shell pink at the center, with scarlet blotches on lower petals, the entire flower showing a glistening, sparkling lustre. Very tall spike. 12c. each; doz., \$1.00 (by parcel post, \$1.15); \$6.50 per 100 (by parcel post, \$6.85).

Glory of Holland. A grand flower; white, with light lilac markings in throat; flowers large and well placed on good-sized spikes. 10c. each; doz., \$1.00 (by parcel post, \$1.15); \$5.00 per 100 (by parcel post, \$5.35).

Golden Measure. Tall and vigorous spike with many large, dark orange yellow flowers; a winner at exhibitions. 20c. each; doz., \$2.00 (by parcel post, \$2.15); \$12.00 per 100 (by parcel post, \$12.35).

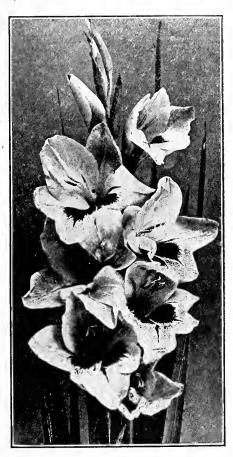
Gretchen Zang. Large, heavy blooms; a beautiful, soft shade of pink, blending into scarlet on lower petals, a variety of great merit on account of its size and splendid substance. 12c. each; doz., \$1.00 (by parcel post, \$1.15); \$6.50 per 100 (by parcel post, \$6.85).

Halley. A variety that is largely grown on account of its earliness. Very large, well expanded flowers of a lovely salmon pink; the lower segments are blotched yellow with carmine markings; robust grower. 8c. each; doz., 85c. (by parcel post, \$1.00); \$4.50 per 100 (by parcel post, \$4.85).

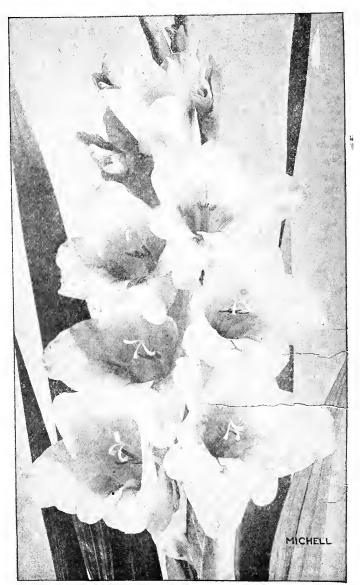
Herada. Blooms of immense size on tall straight spikes; the color is pure mauve, glistening and clear with deeper markings in throat. An unusual color and very effective as a cut flower. 12c. each; doz., \$1.00 (by parcel post, \$1.15); \$7.00 per 100 (by parcel post, \$7.35).

Ida Van. A beautiful deep salmon red, or flaming orange pink. The large, wide open blossoms present a most imposing appearance. 12c. each; doz., \$1.00 (by parcel post, \$1.15); \$6.00 per 100 (by parcel post, \$6.35).

Kunderdi Glory. Large creamy white flowers, with crimson stripe in center of each petal; ends of petals ruffled. 15c. each; doz., \$1.35 (by parcel post, \$1.50); \$8.00 per 100 (by parcel post, \$8.35).



Gladiolus, Gretchen Zang



Gladiolus, Glory of Holland

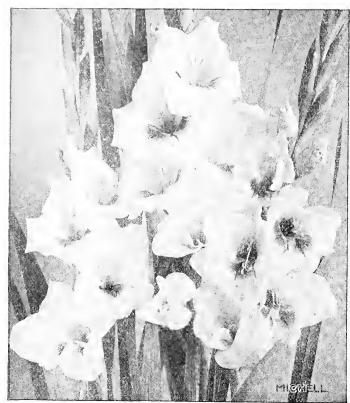
Le Marechal Foch. One of the most wonderful novelties; flowers of immense size, well opened and beautifully ruffled; color, salmon pink, flaked and striped deeper at edges of petals. It is a most unusual and striking flower and is universally admired. 12c. each; doz., \$1.00 (by parcel post, \$1.15); \$6.50 per 100 (by parcel post, \$6.85).

Lily Lehman. Blush white, tinged with pink; large frilled flowers arranged around the stem like water lilies. 15c. each; doz., \$1.35 (by parcel post, \$1.50); \$8.50 per 100 (by parcel post, \$8.85).

L'Immaculee. Pure white; early; large spikes; strong grower; fine for cutting. 15c. each; doz., \$1.35 (by parcel post, \$1.50); \$8.50 per 100 (by parcel post, \$8.85).

Loveliness. Flowers large and open on a long spike; color, creamy white, slightly suffused apricot. 15c. each; doz., \$1.40 (by parcel post, \$1.55); \$9.00 per 100 (by parcel post, \$9.35).

Mary Fennel. Beautiful deep lavender flowers on tall slender spikes; lower petals penciled with primrose-yellow. Flowers are large in size and borne on spikes of medium length. 20c. each; doz., \$1.60 (by parcel post, \$1.75); \$10.00 per 100 (by parcel post, \$10.35).



Gladiolus, Niagara

Mrs. Dr. Norton. Very large flowers well set on a tall and graceful spike with 4 to 8 flowers in bloom at one time. Color, white, with edges of petals suffused with soft La France pink; a very choice variety. 15c each; doz., \$1.40 (by parcel post, \$1.55); \$9.00 per 100 (by parcel post, \$9.35).

Mrs. Francis King. A most beautiful flame pink. Immense flowers on a spike growing 4 feet high, with from 18 to 20 flowers, 6 to 8 being open at one time; a popular variety on account of its attractive color. One of the most exquisitely colored and formed Gladiolus in our list. 8c. each; doz., 85c. (by parcel post, \$1.00); \$5.00 per 100 (by parcel post, \$5.35).

Mrs. Frank Pendleton, Jr. The color is a delicately flushed salmon pink, extending to the reverse side of the petal. The blooms are wide open and are arranged individually on very wiry stems. Each flower is doubly enhanced by a rich maroon blotch on the three lower petals. 12c. each; doz., \$1.00 (by parcel post, \$1.15); \$7.00 per 100 (by parcel post, \$7.35).

Mrs. Watt. A rich, clear wine red having no markings or other shades, flowers are well placed on stout spikes with many open at one time. 12c. each; doz., \$1.00 (by parcel post, \$1.15); \$6.50 per 100 (by parcel post, \$6.85).

Myrtle. A beautiful soft pink; flowers of large size and fine form. A very attractive variety. 20c. each; doz., \$1.60 (by parcel post, \$1.75); \$10.00 per 100 (by parcel post, \$10.35).

Niagara. A shade of rich cream combined with canary vellow: the throat is splashed with carmine; the individual flowers are very large and are borne in pairs, one opposite the other. 15c. each; doz., \$1.10 (by parcel post, \$1.25); \$7.50 per 100 (by parcel post, \$7.85).

Panama. For form and habit this has all the desirable features of the variety "America," but the wonderful color can best be described with that of the popular rose, "Mrs. Jno. Laing," an incomparable rose pink. Flowers very large on long spikes. 10c. each; doz., 90c. (by parcel post, \$1.05); \$5.50 per 100 (by parcel post, \$5.85).

Peace. A grand pure white flower with just a slight marking of a lilac feather on the lower petal. The plant is very robust, 5 feet high and shows enormous flowers, well placed all along the stem. 12c. each; doz., \$1.00 (by parcel post, \$1.15); \$6.50 per 100 (by parcel post, \$6.85).

Pink Perfection. Rose pink, with 8 to 10 flowers open at one time. The large flowers are well expanded and of perfect form. 20c. each; doz., \$1.75 (by parcel post, \$1.90); \$10.00 per 100 (by parcel post, \$10.35).

Pride of Goshen. A giant salmon or flesh pink; flowers large, petals elegantly waved. A very tall and vigorous growing variety. 15c. each; doz., \$1.35 (by parcel post, \$1.50); \$8.50 per 100 (by parcel post, \$8.85).

Prince of Wales. Beautiful salmon-orange; flowers large and well placed; an early flowering sort. 15c. each; doz., \$1.25 (by parcel post, \$1.40); \$8.00 per 100 (by parcel post, \$8.35).

Rouge Torch. Immense flowers; color, amber white, suffused with salmon-carmine, blotched with deep carmine red. 15c. each; doz., \$1.40 (by parcel post, \$1.55); \$9.00 per 100 (by parcel post, \$9.35).

Scarsdale. Long, graceful spikes of wide open flowers, of a pleasing lavender shade; a most unique and distinct color. 12c each; doz., \$1.10 (by parcel post, \$1.25); \$7.00 per 100 (by parcel post, \$7.35).

Schwaben. Strong, erect spikes and large, well expanded flowers of a clear canary yellow; a magnificent cut flower, because the flowers all open pretty much at one time. 12c. each; doz., \$1.00 (by parcel post, \$1.15); \$6.50 per 100 (by parcel post, \$6.85).

War. This is undoubtedly one of the largest flowered sorts; deep red, shaded crimson and showing 4 to 6 blooms at one time.

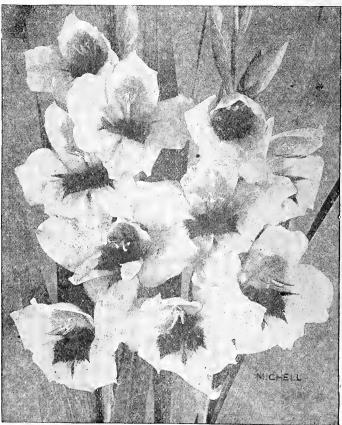
A magnificent variety. 12c. each; doz., \$1.15 (by parcel post, \$1.30); \$7.25 per 100 (by parcel post, \$7.60).

Wilbrink. An early flowering variety with attractive flesh pink flowers, with creamy white blotch on lower petals. 12c. each; doz., \$1.00 (by parcel post, \$1.15); \$6.50 per 100 (by parcel post, \$6.85).

Willie Wigman. Heavy compact flower spikes set closely with large, blush white flowers with a scarlet blotch; the color

contrast is very attractive. 12c. each; doz., \$1.25 (by parcel post, \$1.40); \$8.25 per 100 (by parcel post, \$8.60).

Yellow Hammer. Rich, deep yellow, slightly marked with red in the throat. Flowers extra large; excellent for cutting. 12c. each; doz., \$1.10 (by parcel post, \$1.25); \$7.00 per 100 (by parcel post, \$1.25); (by parcel post, \$7.35).



Gladiolus, Willie Wigman

PRIMULINUS VARIETIES

The flowers of these varieties are of distinct form and possess the clearest tones and tints of color to be found. The spikes are very tall and graceful, sometimes reaching the height of 5 feet. Especially for cutting for vases and table decorations, they excell all other Gladioli.

vases and table decorations, they excell all other Gladioli. They branch freely and show blooms for a long period.

Alice Tiplady. Immense flowers of a bright, orange saffron color; a very showy, magnificent flower. 15c. each; doz., \$1.35 (by parcel post, \$1.50); \$8.50 per 100 (by parcel post, \$8.85).

Canary Bird. Large flowers of a beautiful canary yellow color.

yellow color. 10c. each; doz., 85c. (by parcel post, \$1.00); \$6.00 per 100 (by parcel post, \$6.35).

Flamingo. Deep flamingo pink; a very attractive variety. 15c. each; doz., \$1.35 (by parcel post, \$1.50); \$8.00 per 100 (by parcel post, \$8.35).

Flora. Light pink with white center. 15c. each; doz., \$1.25 (by parcel post, \$1.40); \$7.50 per 100 (by parcel post, \$7.75). Jewel. Light salmon pink with golden yellow blotch. 30c. each; doz., \$3.00 (by parcel post, \$3.15); \$18.00 per 100 (by parcel post, \$18.35).

Please Note.—Price on Jewel Gladioli on 3rd cover page is incorrect.

L'Unique. Bronze with orange yellow center. 15c each; doz., \$1.40 (by parcel post, \$1.55); \$9.00 per 100 (by parcel post, \$9.35).

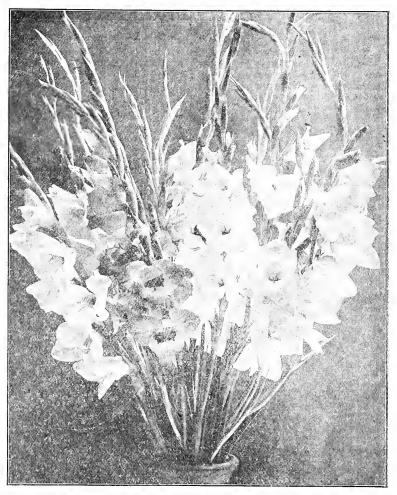
Maiden's Blush. Beautifully formed flowers on long stems; early flowering; color, enchantress pink. 12c. each; doz., \$1.25 (by parcel post, \$1.40); \$8.00 per 100 (by parcel post, \$8.35).

Salmon Queen. Beautiful clear salmon; flowers large; a superb variety. 15c. each; doz., \$1.40 (by parcel post, \$1.40).

\$1.55); \$9.00 per 100 (by parcel post, \$9.35).



Type of Michell's Giant Flowering Mixed G'adiolus



Gladioli, Primulinus Hubrids

Sunbeam. Clear yellow; strong grower and of graceful form. 15c. each; doz., \$1.25 (by parcel post, \$1.40); \$8.00 per 100) (by parcel post, \$8.35). Sunray. A very attractive variety with large flowers; color, golden orange. 10c. each; doz., \$1.00 (by parcel post, \$1.15); \$7.00 per 100 (by parcel post, \$7.35).

Primulinus Major Hybrids, Mixed. From the purest and lightest of yellow, it varies to the deepest orange, and from the softest shade of salmon pink down to rich crimson; also a few white. Dainty blotches in the throat add to their beauty. 10c. each; doz., 85c. (by parcel post, \$1.00); \$5.00 per 100 (by parcel post, \$5.35).

Collection. 1 bulb each, Canary Bird, Jewel, Maiden's Blush, Sunray, for 60c.; 12 bulbs each, for \$6.00; 25 bulbs each, \$10.00; 100 bulbs each, \$37.50 postpaid. Prices on these collections on 3rd cover page are incorrect.

UNNAMED GLADIOLI (In Separate Colors)

I I	Each	Doz.	By P. P.	100 B	y P. P.
White and Light	80.08	\$0.85	\$1.00	\$5.00	\$5.35
Yellow and Orange	.10	1.00	1.15	6.00	6.35
Red	.08	.85	1.00	5.00	5.35
Pink	.08	.85	1.00	5.00	5.35

MIXTURES OF GLADIOLI

Michell's Giant Flowering. Every bulb for this mixture has been selected with the utmost care for coloring and size of flower; no other mixture can boast of such careful selection. It is principally grown in our own nursery. 7c. each; per doz., 75c. (by parcel post, 90c.); \$5.00

per 100 (by parcel post, \$5.35).

Extra Choice. All colors mixed. A splendid assortment of first size bulbs, embracing practically all the shades of color in the gladioli family. 6c. each; doz., 60c. (by parcel post, 75c.); \$4.00 per 100 (by parcel post, \$4.35).

MICHELL'S HARDY GARDEN LILIES



If Lily Bulbs are wanted by Parcel Post, add 35c. per doz. for postage. Single bulbs mailed free.

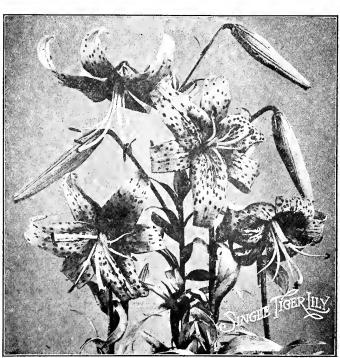
Garden Lily Culture is covered by our book "Garden Pointers" ask for a free copy.

JAPANESE LILIES

Auratum (Golden Banded Lily). Enormous, measuring frequently 8 to 12 inches across; pure white, spotted crimson, each petal marked in the center with a band of yellow. Flowers in August; delightfully fragrant. Each Doz. 100 Large Bulbs, 8 to 9 inch circum. \$0.40 \$3.50 \$22.50 Mammoth Bulbs, 9 to 11 inch circum. 50 5.00 37.50 Monster Bulbs, 11 to 13 inch circum. 60 6.50 45.00 Speciosum Album. The best late flowering pure white hardy garden lily; of easy culture. The graceful stems and foliage are set off to wonderful advantage by the pure white blooms.

Each	Doz.	100
Large Bulbs, 8 to 9 inch circum\$0.40	\$4.00	\$30.00
Mammoth Bulbs, 9 to 11 inch circum		45.00
Monster Bulbs, 10 to 12 inch circum80	8.00	60.00
Speciosum Magnificum. An enormous flower;	rich dee	p pink,
spotted crimson; height, 3 feet; flowers in Augu	ıst.	
Fach	Dog	100

	Each	Doz.	100
Large Bulbs, 8 to 9 inch circum	\$0.40	\$3.50	\$22.50
Mammoth Bulbs, 9 to 11 inch circum	.50	5.00	37.50
Monster Bulbs, 11 to 13 inch circum	.60	6.50	45.00



MICHELL'S HARDY GARDEN LILIES

20.00

15.00

15.00

22.50

3.50

2.50

2.50

3.50

.25

JAPANESE LILIES—Continued (Miscellaneous Varieties)

Each	Doz.
Batemanni. Apricot colored; 3 feet; July\$0.45	\$4.00
Brownii. White inside, outside brown	7.50
Hansoni. Often grows from 3 to 5 feet high; reddish	
orange, 8 to 12 in a cluster	7.50
Henryi (Yellow Speciosum Lily). Tall grower, often 7 feet; produces flowers of a distinct orange yellow	
in great profusion	7.50
Krameri. Blush pink; 3 feet; August	4.50
Macranthum. Giant Golden Banded Lily	7.00
Wittei. Very fragrant; white, yellow band	8.00
AMERICAN OR NATIVE LILIES	
Each Doz.	100
Canadense (Canadian Bellflower Lily). Bright yellow flowers, spotted black inside; June	
and July; 2 feet\$0.20 \$2.00	\$15.00
Canadense Rubrum. Same type as above; crimson with black spots	25.00
Davuricum. Upright scarlet flowers25 2.50	15.00
Elegans Bicolor. Bright red flushed50 5.00	35.00

HARDY LILIES BY PARCEL POST

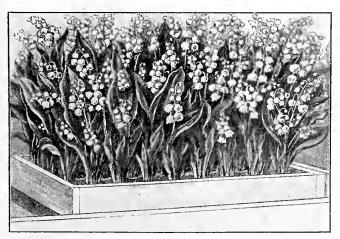
Elegans, Leonard Joerg. Rich apricot pin k.

Superbum (*Turk's Cap Lily*). Grows from 3 to 6 feet high and produces from 15 to 25 orange red flowers on a stalk.......

Tenuifolium (Coral Lily). Brilliant scarlet.

Wallacei. Bright apricot.....

Single bulbs mailed free; allow 35c. per doz. for postage.



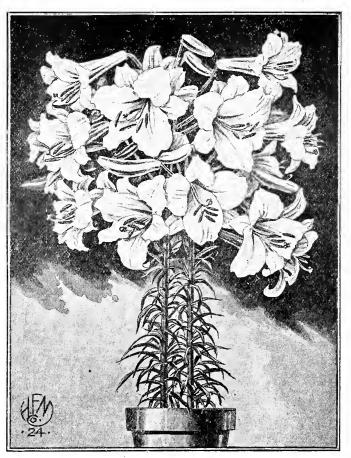
A flat of well-grown Cold Storage Lily of the Valley

LILY OF THE VALLEY MICHELL'S GIANT FLOWERING (Cold Storage)

These Lily of the Valley pips are suitable for culture in a greenhouse or in the window garden; they are not for planting out doors; for the latter purpose we recommend pips put up in bundles especially for the purpose, offered on page 125. Cold storage Lily of the Valley can be forced into bloom in about 25 days.

Price (for shipment preferably by express), \$7.50 per 100; 250 for \$17.50; \$32.50 for 500; 1000 for \$65.00.

Not less than 100 C. S. Lily of the Valley can be supplied.



Regale Lily

REGALE LILY (Lilium Myriophyllum)

This variety was discovered not many years ago, in the mountains of China, by Professor Wilson of the Arnold Arboretum of Boston, Mass. For quite a long while it had been regarded only as a garden Lily, as it is perfectly hardy; of late years some of the private gardeners have adopted it as a forcing variety and it has more than made good. It promises now to become an important Garden variety and from experiments we know of, and those we have made ourselves, we deem it a splendid addition to the Lily Family.

It possesses many advantages, chief among which are the fact that when forced under glass, and the lilies are cut, the bulb can be planted outdoors and be rejuvenated, or after two years for forcing purposes, it can be left in the garden indefinitely, to be cut during the summer months.

In greenhouses under ordinary conditions, the plant grows about 24 to 30 inches high. It has fine, narrow leaved foliage, of a very dark green shade. Bulbs under glass produce often as many as eight flowers to the bulb, but this depends largely upon the size of the latter and the conditions under which it is grown.

It is procurable usually, from November until June and can be planted any time during that period, requiring three months to bring it in flower.

It is pure, waxy white, with a lemon yellow throat, with a trumpet about 6 inches long and when the flower is fully developed, it is about 7 inches across. The blooms, we might say, are almost leathery in substance; for decoration as a pot plant or for cutting no other variety approaches it. The flower when cut or if left on the plant, possesses wonderful keeping qualities. It has a wonderfully delightful perfume, somewhat resembling the variety, Lil. Auratum, and yet somewhat like a Gardenia. If you want the finest of the hardy lily family plant some of this variety.

Strong Bulbs, that will flower the first season. 75c. each; doz., \$8.00 (by parcel post, \$8.35); \$60.00 per 100.



Ismene Calathina

ISMENE CALATHINA (Pancratium Lily or Peruvian Daffodil)

One of the choicest of our summer flowering bulbs, blooming profusely during the summer. Handsome clusters of large, very striking, fragrant pearly white flowers. Bulbs should be kept warm and dry and planted out in the middle of May. They will commence flowering in July. It is really one of the most lovely of all the great Amaryllis tribe. Large bulbs, 25c. each (by parcel post, 30c.); doz., \$2.50 (by parcel post, \$2.75); \$15.00 per 100.

LYCORIS SQUAMIGERA (Amaryllis Hallii) THE MAGIC LILY OF JAPAN

A perfectly hardy Amaryllis bearing beautiful pink flowers. Produces in early spring attractive green foliage, which grows until July, when it ripens off and disappears, and anyone not familiar with its habits would think the bulb had died, but about a month later, as if by magic, the flower-stalks spring from the ground to a height of two or three feet, developing an umbel of large and beautiful lily-shaped flowers three to four inches across and from eight to twelve in number, of a delicate lilac-pink, shaded with clear blue. Cover the crowns about four inches. For the hardy border or for planting among shrubbery, this is a most excellent subject, and should be more generally grown. Strong-flowering bulbs, 75c. each; \$7.50 per doz. (by parcel post, \$7.75).

MADEIRA OR MEXICAN VINE (See Vines)

This old favorite, also known as "Climbing Mignonette" is very much prized for porches and arbors, on account of its rapid growth and freedom from insects. Thick, glossy leaves and long, hanging stems of feathery, fragrant white flowers. If roots are protected during the winter, they are hardy. We offer extra large selected tubers. Price, 10c. each; doz., \$1.00 (by parcel post, \$1.15); \$7.50 per 100.



Montbretia

MONTBRETIAS

These beautiful flowering bulbs are very popular for clumping among perennials and shrubbery. Especially effective if planted in masses of from 50 to 100 bulbs in a clump. The flowers resemble a miniature Gladiolus. They should be protected during the winter with leaves or litter. We have succeeded in procuring some very good varieties of these now somewhat extinct bulbs

good varieties of these now somewhat extinct builds.		
	Doz.	100
King Edmund. Rich golden yellow, with brown		
markings in throat	\$1.25	\$7.50
Lord Nelson. Deep orange scarlet	1.25	7.50
Macrospila. Red	1.00	6.50
Meteore. Red and yellow		6.50
Solfatare. Creamy yellow	1.00	6.50

NERINE (Guernsey Lily)

If wanted by parcel post, add 15c. per 100 for postage.

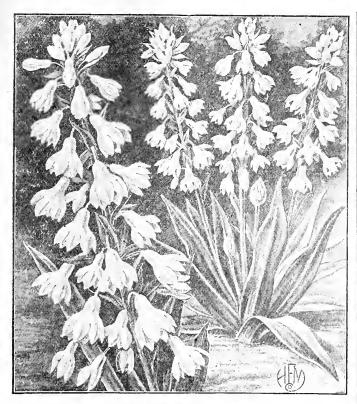
Although these interesting autumn flowering plants will succeed fairly well in a cold house, they really do better in slight warmth and should be grown singly in 4½-inch pots.

Sarniensis. Bright red, with a tinge of salmon and gold; flower stalks 15 to 18 inches in height bearing 3 to 6 flowers at a time. 50c. each; per doz., \$5.00 (by parcel post, \$5.15).

TESTIMONIAL

Greenville, Mississippi.

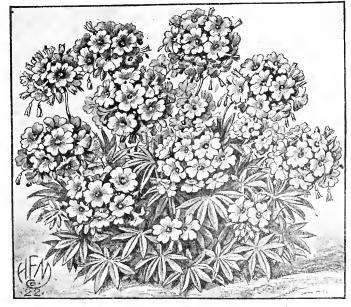
The bulbs I received from your firm last year was the finest I ever had. I have never bought seeds of your firm before but every one recommends your seeds high. D. F. C.



Summer Hyacinth (Hyacinthus Candicans)

SUMMER HYACINTH (Hyacinthus Candicans)

In July and August they produce spikes about two feet long, which are covered with bell-shaped white flowers. Large bulbs, 15c. each (by mail, 20c.); doz., \$1.50 (by mail, \$1.65); \$10.00



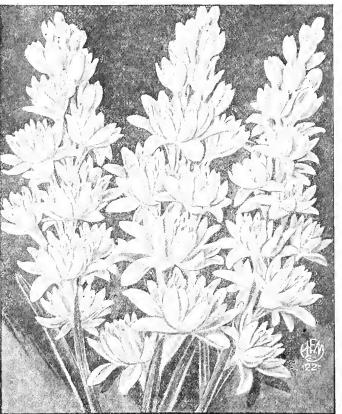
Oxalis Lasiandra

OXALIS (Summer Blooming)

Splendid border plants around flower or foliage plant beds.

Deppii. White, small flowers.

Shamrock. Clover like foliage; pink flowers. Either of the above, doz., 20c. (by mail, 25c.); \$1.25 per 100 (by mail, \$1.35).



TUBEROSES

Summer-flowering bulbs, producing long spikes of very fragrant blossoms. Plant outdoors after all danger of frost is over. Cover the bulb about one inch with fine light soil.

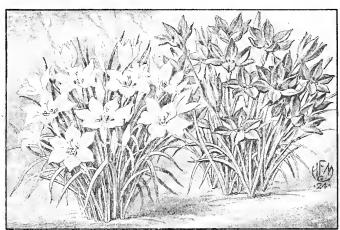
Double Pearl. Pure white, first size bulbs, 7c. each; doz., 75c. (by mail, 90c.); \$4.50 per 100.

Double Pearl Mammoth. Extra large selected bulbs. 10c. each; doz., \$1.00 (by mail, \$1.20); \$7.00 per 100.

Albino. Single white, blooming in July and August. A very free-flowering variety. The odor is less powerful than in the double varieties. 7c. each; doz., 75c. (by mail, 90c.); \$4.50 per 100.

Mexican. The best single Tuberose, flowering much earlier than all others. Pure white. 7c. each; doz., 75c. (by mail, 90c.); \$4.50 per 100.

\$4.50 per 100.



ZEPHYRANTHES (Fairy Lily)

Half hardy plants, splendid as pot plants for greenhouse or window-gardens.

Treatea Rosea. The most popular rosy-flowered species. 25c. each; doz., \$2.50 (by mail, \$2.65); \$18.50 per 100.

Treatea Alba. The best white variety. 15c. each; doz., \$1.25 (by mail, \$1.35); \$7.50 per 100.

MICHELL'S RELIABLE PLANTS

PLEASE READ CAREFULLY BEFORE ORDERING PLANTS FROM THIS CATALOG

So far as possible, when there are other goods on your order, please write the portion applying to plants on a separate sheet. Plant orders are filled and shipped at what we consider the proper season for planting, unless otherwise instructed by customers. Shipments for Southern States or localities, where cold weather is not a permanent thing, are made as soon as possible, unless otherwise instructed.

Shipments are best made by express unless otherwise instructed, except orders for small plants or few in number. These can be

sent via parcels post, if sufficient remittance on cash orders accompanies same.

Where no postage charges are quoted, please allow 10% of the price of Plants or Bulbs on all shipments for points east of the Mississippi River; for points west of the Mississippi River allow 20% of the price of Plants or Bulbs ordered. For Example:—

"If you reside in Augusta, Ga., and send us an order for \$2.00 in value for Plants or Bulbs, and want same shipped via parcel post, please remit \$2.20. If you reside in Pueblo, Col., and send us an order for \$2.00 for Plants or Bulbs, and want same shipped via parcel post, please remit \$2.40."

want same snipped via parcel post, please remit \$2.40."

In some cases the parcel post charges may be slightly in our favor, in the other instances they will be in the favor of the buyer, although our customers should not overlook that it requires expert packing for safe arrival of shipments via parcel post.

Where the amount required to mail the goods is less than the prescribed amount listed in our catalog, no refund will be made, and also the extra amount will not be collected where the mailing charges are greater than those prescribed in the catalog.

Please Note:—Orders for less than the number of Plants listed cannot be filled, except they are offered at our counter and are

taken with. Prices are especially established for these.

SHIPPING TIME

In average seasons, applying to orders booked for Spring.

Hedge, Small Fruits, Trees, Flowering and Ornamental Shrubs—sometimes late in March, generally during April and lasting until growth is too far advanced for transplanting with safety or assurance of stock surviving.

Herbaceous Perennials—April and continuing until either stock is exhausted or until season is too far advanced. Most perennials are pot-grown and can be planted safely at any season, as long as they are procurable.

Roses—May is the best month for these, unless April is warm and settled.

Bedding Plants—Geraniums, Cannas, Salvia, etc., are usually shipped beginning May 10th.

SPECIAL CAUTION

^a NOTICE—On receiving Plants, unpack them, plant and water thoroughly immediately. If they cannot be planted at once, at least unpack and water them. Newly planted stock, no matter how moist it may appear, should at planting time and every day (in the evening) for a week thereafter, be watered thoroughly, unless we have rain each day during the period. Most losses through Plants, Shrubs, Trees, Hedge, etc., dying, are caused by their not being watered sufficiently and regularly at planting time.

SPECIAL NOTICE ON GUARANTEE

We spare no effort to supply all Plants, Trees, etc., of the best quality in first-class living condition. On account of the many causes beyond our control, we regret we cannot guarantee this stock to live and establish itself, as that is entirely within the power of the buyer or planter. If customers desire us to guarantee Plants, Trees, Shrubs, Hedge, etc., to live, we assume such guarantee at an advance of 25% over and above our usual prices, but not otherwise, and such guarantee at an advance of 25% over and above our usual prices, but not otherwise, and such guarantee at an advance of 25% over and above our usual prices, but not otherwise, and such guarantee at an advance of 25% over and above our usual prices, but not otherwise, and such guarantee at an advance of 25% over and above our usual prices, but not otherwise, and such guarantee at an advance of 25% over and above our usual prices, but not otherwise, and such guarantee at an advance of 25% over and above our usual prices, but not otherwise, and such guarantee at an advance of 25% over and above our usual prices, but not otherwise, and such guarantee at an advance of 25% over and above our usual prices, but not otherwise, and such guarantee at an advance of 25% over and above our usual prices, but not otherwise, and such guarantee at an advance of 25% over and above our usual prices, but not otherwise, and such guarantee at an advance of 25% over and above our usual prices, but not otherwise, and such guarantee at an advance of 25% over and above our usual prices, but not otherwise, and such guarantee at an advance of 25% over and above our usual prices, but not otherwise, and such guarantee at an advance of 25% over and above our usual prices, but not otherwise, and such guarantee at an advance of 25% over and above our usual prices, but not otherwise, and advance of 25% over an advance of 2 antee will expire within 90 days from date of shipping.

HYDRANGEA HORTENSIS

This class of Hydrangeas is planted extensively at many of the Atlantic seashore resorts and while it is perfectly hardy there it is not realiably hardy inland, even in the latitude of Philadelphia, unless planted at the side of a porch or building where it has some protection from the winter sun. Outside of these favored locations we recommend tub culture as the most satisfactory.

They should be left outside as late in the fall as possible, care being taken, however, to avoid sharp frosts which would injure the

buds. They should then be removed to a cool, light cellar where they will have a temperature of about 40 degrees and given only enough water to keep the roots from drying up and the branches from shriveling. The plants should be brought out in the early spring and well watered; provision should be made, however, to protect them from late frosts.

In some soils these will flower blue naturally and in other soils the flowers will be pink.

If you wish to have blue flowers when they naturally come pink this may sometimes be attained by incorporating with each bushel of soil one-half pound of lump alum broken into small pieces.

taksa. This is the old-fashioned favorite Japanese variety that usually flowers pink. It produces enormous flower trusses in great numbers. The plant increases in size and flowering ability each year and is the ideal variety for planting extensively at the seashore.

21/4-inch Pot Plants, 3 for \$1.00; \$3.00 per doz.

4 -inch Pot Plants, 2 for \$1.00; \$5.00 per doz.

5 -inch Pot Plants, 2 for \$1.50; \$7.50 per doz.

6 -inch Pot Plants, \$1.25 each; doz., \$12.00.

7 -inch Pot Plants, \$1.50 each.

8 -inch Pot Plants, \$2.50 each.

FRENCH VARIETIES

If these are to be left out-doors in the winter, we recommend careful protection.

Baby Bimbenet. Large compact trusses of silvery-rose flowers.

General de Vibraye. Enormous flowers of a bright rose color.

Mme. Emile Moulliere. Pure white, with rich carmine eye.

Radiant. Brilliant rose pink; bright and showy.

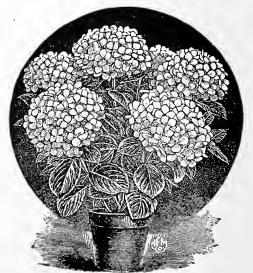
Trophee. Brilliant carmine; very free flowering. One of the most desirable.

21/4-inch Pots, 3 for \$1.00; per doz., \$3.00.

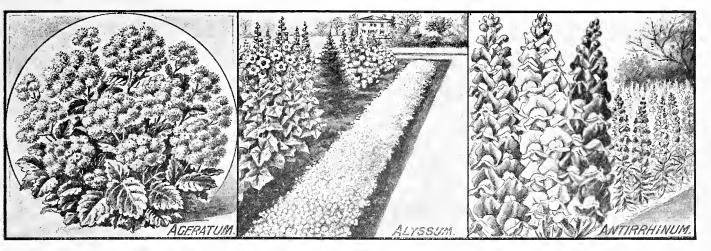
4 -inch Pots, 2 for \$1.00; per doz., \$5.00.

5 -inch Pots, 2 for \$1.50; per doz., \$7.50.

6 -inch Pots, \$1.25 each; per doz., \$12.00.

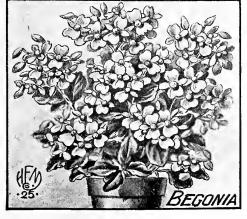


MICHELL'S SUMMER FLOWERING AND DECORATIVE PLANTS









NOTE-Please read carefully instructions on page 106 before ordering plants.

ACHYRANTHES

Excellent for edging beds of various kinds; makes a fine show against a green or yellow background; grow about 12 inches high and very compact.

Brilliantissima. Crimson foliage; very bright. Extra strong plants, 3-inch pots, 6 for \$1.50; doz., \$2.75; \$17.50 per 100.

AGERATUM (Floss Flower)

These are one of the freest of flowering annuals and can be adapted to many purposes. As an edging in a garden border few plants surpass it. Flower heads very large. Plants 10 inches high; ideal for massive bedding or edging.

Blue Perfection. 3-inch pot-plants, 6 for \$1.50; doz., \$2.75; \$17.50 per 100.

ALTERNANTHERA

Used principally for carpet bedding effects and edgings; fine for working out designs; of very dwarf growth, 4 inches high.

Aurea Nana. Green and yellow, mottled foliage.

Brilliantissima. Red, with a slight trace of green.

21/4-inch pot-plants, 6 for \$1.00; doz., \$1.75; \$12.00 per 100.

ALYSSUM

Little Gem. Pure white flowers; dwarf compact plant; desirable for edging, flowering all season; 6 inches high. 3-inch pot-plants, 6 for \$1.00; doz., \$1.75; \$12.00 per 100.

ANTIRRHINUM (Snapdragon)

A very effective plant for massive bedding or border planting, also much used in Italian Gardens. If flowers are cut off after blooming they will continue to flower until frost. In separate colors as follows:

Giant White, Pink, Yellow and Scarlet. Extra strong, 3-inch pot-plants, 6 for \$1.75; doz., \$3.25; \$22.50 per 100.

ASPARAGUS

Plumosus Nanus (Asparagus Fern). Highly desirable for fern dishes, bouquet greens, garlands, etc. 3-inch pots, 6 for \$1.50; doz., \$2.50; \$17.50 per 100. 4-inch pots, 50c. each; doz., \$5.50.

ASPIDISTRA

Lurida. One of the easiest of all decorative plants to grow and one of the very best house plants. It thrives equally well on the porch in summer and in the house during the winter. It is not subject to attack by insects and will do well where most any other plant will perish. Strong 6-inch pot-plants, \$4.00 each.

ASTERS (Giant Branching)

We grow a large stock in separate colors; Pink, Crimson, White and Blue. Extra strong, 3-inch pot-plants, 6 for \$1.00; doz., \$1.75; \$12.00 per 100.

BEGONIAS (Fibrous Rooted)

Erfordi. Of the same habit as Vernon, but having bright pink flowers which almost hide the foliage during the whole summer. 4-inch pot-plants, 6 for \$1.75; doz.,

\$3.50; \$25.00 per 100.

Gracilis Luminosa. A splendid edging variety with bronzy red foliage and brilliant coppery scarlet flowers; very free blooming; of same habit as Vernon. 4-inch potplants, 6 for \$1.75; doz., \$3.50; \$25.00 per 100.

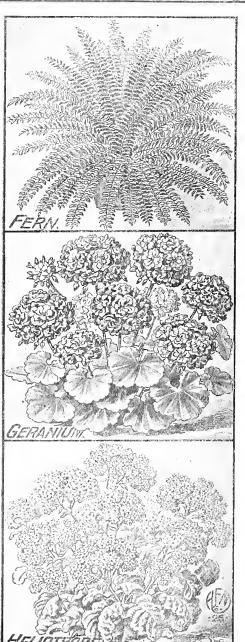
Prima Donna. One of the best bedding Begonias, having lovely rose-colored flowers shading to carmine. 4-inch pot-plants, 6 for \$1.75; doz., \$3.50; \$25.00 per 100.

BEGONIA BULBS (Tuberous Rooted)

See Page 90.

MICHELL'S SUMMER FLOWERING AND DECORATIVE PLANTS





NOTE—Please read carefully instructions on page 106 before ordering plants.

CALENDULA (Pot Marigold)

These somewhat resemble a double daisy; are fine for cutting, border planting or as a background.

Orange King. Very deep orange.

3-inch pot-plants, 6 for \$1.75; doz., \$3.00; \$22.50 per 100.

CANNA ROOTS AND PLANTS See page 91.

COBAEA SCANDENS

A beautiful blue, cup-shaped flowering annual climber; very desirable for lattice covering, etc. Extra strong plants, 4-in. pots, 50c. each; 6 for \$2.50; per doz., \$4.00.

COLEUS

The popular bedding plant so commonly used for edging canna and geranium beds, making an effective show till frost.

Verschaffelti. Dark crimson foliage. Golden Bedder. Rich canary yellow. Queen Victoria. Red, with yellow edge.

3-inch pot-plants, 6 for \$1.00; doz., \$1.75; \$12.00 per 100.

COSMOS

Michell's Giant Flowering Strain, producing enormous, long-stemmed flowers late in the autumn.

Pink, White, Red, each color separate. 3-inch pot-plants, 6 for \$1.00; doz., \$1.75; \$12.00 per 100.

DAHLIA ROOTS AND PLANTS

(See pages 93 to 97.)

DAISY (Bellis Perennis)

These are especially desirable for early spring bedding before it is possible to set out most other plants. Intermingled with Pansies and Forget-Me-Nots (the latter being set out at the same time), they form an attractive combination.

Giant Flowering English, Pink, and White, each separate, 6 for \$1.25; doz.,

\$2.00; \$15.00 per 100.

DRACAENA (Fountain Plant)

Indivisa. Attractive; used as a center piece for a round bed, urn or vase and in cemetery work. Strong, 4-inch pot-plants, 50c. each; 5-inch pot-plants, \$1.25 each; 6-inch pot-plants, \$2.00 each.

FERNS The varieties we offer here are the best of their class and all are good house plants. Nephrolepis, Bostoniensis. The original Boston Fern, with long graceful fronds.

"Scotti. An old favorite; dwarf and bushy.

Teddy, Jr. A dwarf form of the Roosevelt fern; very bushy. Any of above Ferns 4-inch pots, \$1.00 each; 6-inch pots, \$2.25 each.

GERANIUMS

Our stock of these is in 4-inch pots, very bushy, well shaped, carefully grown.

Alphonse Ricard. Bright scarlet; double.

Beaute Poitevine. Salmon pink; very double.

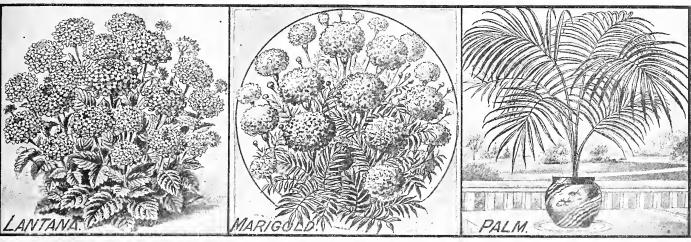
Helen Michell. Bright rich scarlet; gigantic flower, to date the very best of its color. La Favorite. Double; pure white.

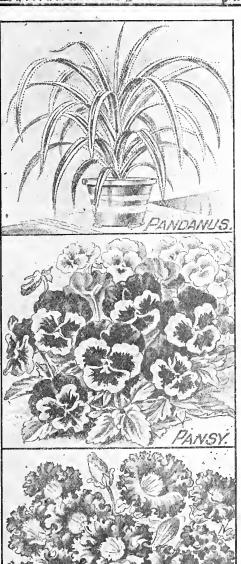
Rose-Scented. The old fashioned sweet scented variety.

S. A. Nutt. Rich crimson; double.

Price of any of the above Geraniums, extra fine stock, 4-inch pots, 6 for \$2.00; doz., \$4.00; \$27.50 per 100.

GLADIOLUS (See pages 98 to 101)





NOTE—Please read carefully instructions on page 106 before ordering plants.

HELIOTROPE

This plant bears a mass of flowers all summer; the fragrance cannot be approached by any other annual plant. (See illustration, page 108).

Centefleur. Large trusses of rich deep violet blue. 4-inch pot-plants, 6 for \$1.75; doz., \$3.50; \$25.00 per 100.

HYDRANGEAS (See pages 106 and 134A) LANTANA

Excellent bedding plants, thriving best in the full sun; shades of orange and yellow, so effective in bedding. 4-inch pot-plants, 6 for \$1.75; doz., \$3.50; \$25.00

LEMON VERBENA

Pointed green lemon-scented foliage; fine for mixing among cut flowers; as a winter house plant these are also very satisfactory. 3-inch pots, 3 for \$1.00; doz., \$3.25; \$22.50 per 100.

LOBELIA

Blue flowering plant, for edging and hanging baskets.

Compacta. For bedding, edging, etc. 3-inch pot-plants, 6 for \$1.50; doz., \$2.75; \$17.50 per 100.

MARIGOLD

These are favorites in all old-fashioned gardens; in bloom from early summer until frost. Grown from selected seed; flowers grow to enormous size.

Lemon Queen. Bright yellow. Orange King. Deep orange. 6 for \$1.25; doz., \$2.25; \$15.00 per 100.

MOON VINE

Noctiflora. A pure white variety blooming toward evening and in the forenoon; the flowers are frequently 6 inches in diameter. Extra strong plants, 50c. each; doz., \$4.00; \$25.00 per 100.

MYOSOTIS (Forget-Me-Not)

Ready after April 10th. Stock usually exhausted May 15th.

Palustris Semperflorens. Dwarf blue. 4 for \$1.00; doz., \$2.50; \$15.00 per 100.

Areca Lutescens. One of the most graceful and beautiful Palms, having bright green foliage with yellow stems. 3-inch pots, 50c. each; 4-inch pots, \$1.00 each.

Kentia Belmoreana. The hardiest Palm in cultivation; of slow growth, and less affected by the dust and dry atmosphere of the house than any other. 3-inch pots, 60c. each; 4-inch pots, \$1.00 each; 5-inch pots, \$2.00 each; 6-inch pots, \$3.50 each; 7-inch pots, \$5.00 each

Kentia Forsteriana. This splendid variety is very similar to K. Belmoreana, but of stronger growth, with broader, heavier foliage. 3-inch pots, 60c. each; 4-inch

pots, \$1.00 each; 5-inch pots, \$2.00 each.

Kentia Forsteriana (Made-up plants). These are made by planting four plants in an 8-inch tub, and they are from 34 to 36 inches high from the top of the tub; very decorative. Price, \$10.00 each.

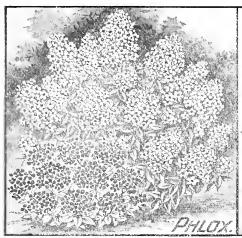
PANDANUS

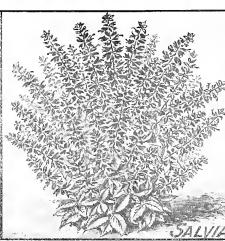
We highly recommend this plant where a good many varieties of other decorative plants will not do. They will thrive even in dark places such as reception halls, living rooms, etc.

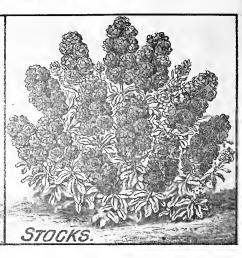
Veitchi. Highly colored plants. 4-inch pots, \$1.25 each; 6-inch pots, \$3.00 each.

Michell's Giant Exhibition Strain. It has often been remarked by customers that nowhere else can our Pansies be equaled for size of bloom and rich colors. Fine large plants in bud and bloom in mixed colors only; ready after April 1st. \$1.35 per doz.; 25 for \$2.50; \$10.00 per 100. Stock usually exhausted after May 15th. (Pansy plants cannot be sent via P. P.)

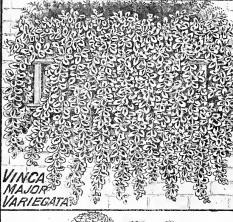
MICHELL'S SUMMER FLOWERING AND DECORATIVE PLANTS 110













NOTE—Please read carefully instructions on page 106 before ordering plants.

PASSIFLORA (Passion Flower)

Pfordti. An attractive climber for outdoor planting in summer, bearing a profusion of light blue flowers suffused with pink. Price, 60c. each.

PETUNIAS

Of the annual flowers, this is probably the most universally used; it can be put to a variety of uses, for bedding, baskets, window boxes or urns; they flower continuously. Giant Single Strain. (See illustration, page 109). Mixed colors. 3-inch potplants, 6 for \$1.25; doz., \$2.25; \$15.00 per 100.

Double Petunias. Choice mixed colors. 3-inch pot-plants, 3 for \$1.00; doz., \$3.50; \$27.50 per 100.

PHLOX DRUMMONDI

These are a splendid bedding or border plant.

Dwarf. Red, white, pink, each separate. 3-inch pot-plants, 6 for \$1.50; doz., \$3.00; \$22.50 per 100.

SALVIA (Scarlet Sage)

No show of flowers can equal that produced by Scarlet Sage; it makes a blaze of color when massed or planted in beds that can be recognized at a great distance.

America. Dwarf, bushy and compact.

One of the best dwarf bedding varieties. Strong 4-inch pot-plants, 6 for \$1.75; doz., \$3.50; \$25.00 per 100.

STOCKS (Gilliflower) 10 Weeks

Sweet-scented flowers, which are fine for cutting, or as a bed or border plant they are splendid.

Double pink, white, blue and red. In separate colors. 4-inch pot-plants, 6 for \$1.75; doz., \$3.25; \$22.50 per 100.

VERBENAS

MICHELL'S MAMMOTH FANCY STRAIN

Used for edging borders, or for window boxes and vases.

In separate colors, pink, white, scarlet, purple. 3-inch pots, 6 for \$1.50; doz., \$2.75; \$17.50 per 100.

VINCA

Rosea. This is the flowering type used for bedding or vases; a bed or border planted with these is a beautiful sight; for either full sun or in partial shade they are well adapted. Pink, white, white with pink eye, each color separate. 3-inch potplants, 3 for \$1.00; 6 for \$1.75; doz., \$3.25; \$25.00 per 100.

Major Variegata. A trailing plant used for hanging baskets and window boxes; green foliage mottled white. Extra strong pot-plants, per doz., \$5.00; \$35.00 per 100.

ZINNIAS

Michell's Giant Robusta Strain. Mixed colors. 3-inch pot-plants, 6 for \$1.50; doz., \$3.00; \$17.50 per 100.

TESTIMONIAL

Delaware Water Gap, Pa. Kindly ship the enclosed order. Would like to add, I have been more than pleased with Michell's plants; they are far superior to any I can obtain elsewhere.



A Remarkable New Discovery for Roses



CONQUERS MILDEW

CONTROLS BLACK SPOT

ASSURES LUXURIANT FOLIAGE and BLOOMS

MICHELL'S SEED HOUSE

518-516 Market Street, Philadelphia NURSERIES AND PLANT HOUSES, ANDALUSIA, PA.

(See Other Side)

A REMARKABLE NEW DISCOVERY FOR ROSES

CONQUERS MILDEW. CONTROLS BLACK SPOT



ASSURES LUXURIATTAL FOLIAGE and BLOOMS

The Complete Spray—Carries Its Own Spreader

FUNGTROGEN is a highly concentrated form of fungicide that will conquer mildew practically over night, and control black spot, heretofore considered incurable. An improved form of the famous Rosenbluth formula. It is combined with a fertilizer that has been so successful in the noted Rose Gardens of Edwin M. Rosenbluth, a noted authority on outdoor roses, at Wallingford, Pa. His roses have won first prizes wherever shown. The amazing results here have been attributed in a large degree to the use of FUNGTROGEN, now for the first time offered to the public.

FUNGTROGEN is soluble in water. It remains suspended in solution and does not precipitate to the bottom of the spray or clog up the nozzles. It will keep indefinitely and not become hard. Being highly concentrated, FUNGTROGEN should be combined with 60 parts of water, which makes it very economical. It does not disfigure the foliage, or clog up the pores of the leaves.

AN EFFECTIVE PLANT STIMULANT

Science has discovered that plants are fed not only by the bacteria in the soil, but by a fixed nitrogen in the air. It has been demonstrated that this nitrogen is absorbed through the foliage and in order to have thriving plants, it is desirable to stimulate the growth of the plant through the foliage. FUNGTROGEN contains a nitrogenous element that is readily taken by the plant.

FUNGTROGEN thus destroys mildew and black spot,—the two most dangerous enemies of the rose; and at the same time supplies an essential fertilizer that assures luxuriant foliage and vigorous plants, with amazing blooms. By its use the amateur rose grower is able to produce results comparable to the professional.

Make this test. Apply FUNGTROGEN to part of your roses. Then compare the results.

 Price, Pints.
 \$1.25
 Half-Gallons.
 \$3.50

 Quarts.
 2.00
 Gallons.
 6.00

"The invisible film of FUNGTROGEN on the foliage is your defense against disease."

MICHELL'S HARDY POT-GROWN ROSES

Ready for shipment about May 1st.

The Roses we are offering are all strong 2-year old field grown plants that were dug last Fall and potted into 5-inch and 6-inch Roses thrive best in an open sunny position and they should be planted away from all trees and shrubs so that the roots will have the full benefit of the nourishment in the soil. Roses are gross feeders and consequently require a rich soil. Select a well drained position where the soil is good and dig in a liberal amount of well decomposed stable manure thoroughly mixing it with the soil. For best results the beds should be made from 4 to 5 feet wide, planting the Hybrid Teas 18 inches apart and the stronger growing Hybrid Perpetuals 2 feet apart, planting all about 8 inches or 10 inches from the edge of the beds. The pot grown plants we send out arrive with a ball of earth around the roots, this ball should not be disturbed but should be thoroughly wet when planted. Budded Roses should be planted so that the bud is about 2 inches below the surface of the ground, firm the soil well around the roots and give a thorough watering. Throughout the Summer, the surface of the bed should be frequently cultivated. Roses we send out require no further pruning, but are ready to be planted when received. The best method of protecting Roses for the Winter in this locality is to draw up a mound of soil around the base of the plant to a height of 8 or 10 inches, thereby protecting the buds at the base of the plants from the alternate freezing and thawing, which is so injurious. In addition to this a covering of strawy manure, evergreen boughs or corn stalks is very beneficial. When Roses are growing freely they are less liable to insect pests or fungous diseases than if they are starved or otherwise neglected. A weekly application of Bordeaux Arsenate of Lead Mixture will keep the plants free of most all insect pests as well as fungous diseases, but if mildew should appear in spite of this periodical spraying use Sulphide of Potassium at the rate of one half ounce to one gallon of water. Green fly or aphis are easily kept in check by tobacco dust or spraying with any nicotine solution.

MICHELL'S SELECTION OF THE NEWER HYBRID TEA ROSES

The Roses offered on this page are among the most popular and distinct of recent introductions. All have been tested in various sections of the country and have been found to be worthy of further dissemination.

The beginner will find just as much pleasure in selecting his collection from the older and less expensive varieties, but to those who already have an extensive assortment and wish to keep up to

date, we recommend the varieties offered on this page.

America. An American introduction which gives promise of a great future. The size, form, color, stem and foliage together with its free flowering qualities leave nothing to be desired. The color is an absolutely pure rose-pink that never turns blue, and the fragrance is delightful. A good strong grower. \$1.75 each.

Edel. A British introduction of exhibition quality, producing large, beautifully formed flowers of ivory white passing to pure white. A strong grower of uniform habit and very free flowering,

opening in all weathers and delightfully fragrant. \$1.25 each.

Imperial Potentate. A new Rose from the "Rose City", Portland, Oregon. In the trials of 1922 at the International Rose Test Garden, conducted by the Bureau of Parks, Portland, Oregon, this Rose was awarded the Silver Medal of the American Rose Society, the Gold Medal of the City of Portland for the best bush Rose shown, and the Silver Trophy of the Portland Chamber of Commerce for the best Rose introduced on the Pacific Coast. Beautifully shaped buds opening to well formed, large double flowers of a delightful rose pink, very sweet. \$1.75 each.

Mme. Alexander Dreux. Flowers brilliant golden yellow, large, full and of good form, very free flowering. Growth vigorous, erect pranching. A truly superb Rose of striking color, one that will prove of great distinction. This handsome rose of great merit was awarded a silver medal for excellence at the Autumn

ilover show held in N. Y. City, Nov., 1924. \$1.50 each.

Mrs. Beckwith. A vigorous grower, erect and branching, with few thorns and glossy light green foliage. Long shapely buds with medium sized full blooms of a buttercup yellow, shading

lighter on the edge of the petals. \$1.75 each.

Mrs. Henry Morse. An ideal bedding Rose of vigorous habit, with flowers of the most perfect form and wonderful coloring. The buds are long and of great substance; in color a beautiful pink, shaded salmon, deeper at the base of the petals; sweetly

scented. \$1.75 each.

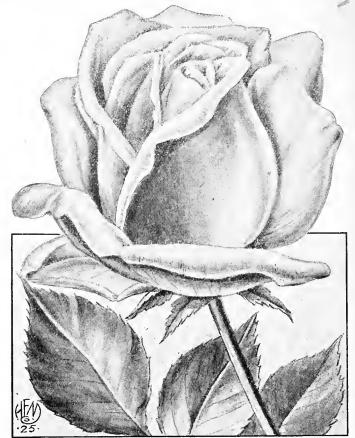
Mrs. W. C. Egan. A vigorous and healthy grower with long perfeetly formed buds, which open into large shapely flowers, produced on long stiff stems. The inside of the petals is a deep flesh color, while the reverse is of a soft light pink and keep well either cut or on the plant. A free and continuous bloomer. \$1.25 each.

Padre. A strong upright grower, producing freely, flowers most

attractive in coloring, with long petals of a coppery scarlet, flushed with yellow at the base. \$1.50 each.

Souvenir de Claudius Pernet. A most vigorous grower of erect branching habit; beautiful, brilliant green foliage; long pointed buds of exquisite shape, carried on long, stiff stems. Very large full flowers with elongated deep petals, a beautifully formed bloom. Color, a most striking sunflower-yellow, deeper in the center without any color blending and which is retained without fading even in the warmest weather. \$2.00 each.

Special Offer. One each of the 12 Grand Newer Roses offered on this page for \$18.00; shipment via express.



Hybrid Tea Rose, Souv. de George Beckwith

Souv. de George Beckwith. A strong vigorous grower of erect branching habit, with large, full globular flowers on stiff stems. Color, shrimp pink tinted chrome yellow, shading to deeper yellow at the base of the petals. \$1.50 each.

Souv. de Georges Pernet. We believe this is one of the most promising bedding Roses offered in recent years. It is a strong vigorous grower and free bloomer. The flowers are large; globular in form; color, Orient red shading to a cochinealcarmine at the end of the petals, the whole being suffused with a golden sheen. \$1.50 each.

Souv. de H. A. Verschuren. This new Rose from Holland promises to be one of the best of the bedding Roses. It is a strong vigorous grower, very free flowering and in addition has the ability to resist mildew and black spot under unfavorable weather conditions. The color is a beautiful apricot yellow, shading to saffron yellow at the edges and while during unfavorable hot weather it will shade lighter, it will hold its color throughout the season better than any other Yellow Hybrid Tea variety. The buds are long and pointed—the ideal shape for cutting, and always open well into large full flowers; delightfully tea scented.

MICHELL'S HARDY POT-GROWN ROSES GENERAL LIST OF MICHELL'S SELECT HYBRID TEA ROSES

Under this heading we offer only the best and well tried varieties for outdoor planting and our customers will make no mistake in selecting any of these for their gardens. For best results Hybrid Tea Roses should be severely pruned, the stronger shoots should be cut back to from 8 to 12 inches in height, while all weak thin wood should be removed entirely.

Columbia. One of the most popular of the newer roses, being a vigorous grower and very free flowering. The flowers are of a pleasing shade of rose-pink, large, fragrant and perfect in form.

Duchess of Wellington. Intense saffron yellow changing to coppery yellow. Flowers large, moderately full, of the Killarney type, beautiful buds and delightfully fragrant. A superb yellow rose and a splendid grower, in fact this variety is considered by many growers to be the best of all yellow roses to date.

Gen. MacArthur. A well known rose, being one of the earliest and most perpetual flowering sorts. The blooms are large, full and delightfully fragrant. In color it is a rich crimson scarlet and the growth is vigorous.

Golden Emblem. A most desirable Yellow Rose and likely to become a real favorite in the garden. Beautifully formed, long buds, which sometimes have flames of light crimson on the outer petals; held erect on long stems well above the glossy green foliage; delightfully fragrant.

Golden Ophelia. Golden yellow in center shading to pale yellow on the outer petals. This is a seedling of the well known variety Ophelia, possessing its many good qualities.

Gruss an Teplitz. This is a rose for everybody, being the most profuse blooming crimson rose in existence. The color is of the richest scarlet, shading to a velvety crimson; very fragrant. It will succeed under the most ordinary conditions, doing well where other roses fail. See color plate opposite.

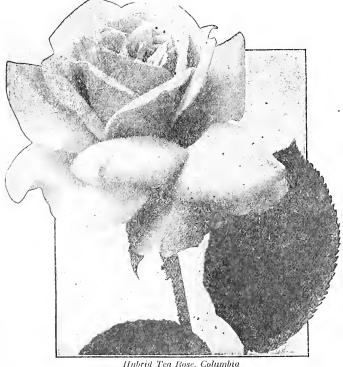
Hadley. One of the very best garden roses; deep rich velvety crimson in color and one of the most fragrant roses in our collection. Free bloomer with long stiff stems.

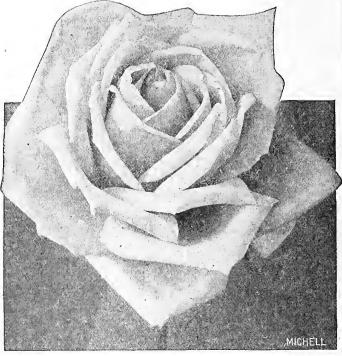
Hoosier Beauty. Glowing crimson-scarlet with darker shadings; buds of good length and splendid shape, opening into a magnificent and delightfully fragrant bloom. A strong, clean grower and very free flowering.

Jonkheer J. L. Mock. A favorite with hundreds of Rose lovers.

The flowers are extra large and of more than ordinary beauty. The bright cherry red on the outside of the broad petals and the shining silvery white on the inside make a double colored bloom.

Kaiserin Augusta Victoria. An old variety but still one of the best and it should be in every collection. In color it is a soft pearly white tinted with lemon.





Hybrid Tea Rose, Lady Alice Stanley

Lady Alice Stanley. A rose that is admired by every one, not only for its freedom of bloom and fragrance, but also for its color, which is a beautiful shade of coral-rose on the outside of the petals with purple flesh on the inside.

La France. One of the first Hybrid Tea Roses to be introduced and still one of the most popular. In color a bright pink on the outside of the petals and a lovely silvery pink on the inside. The growth is vigorous with delightfully fragrant flowers.

A wonderful American Rose, introduced in 1917 and described by the originators as follows: "Los Angeles is by all odds one of the finest Roses ever introduced. In color a luminous flame pink toned with coral and shaded with translucent gold at the base of the petals. In fragrance it is equal in intensity to the finest Marechal Neil. The buds are long, pointed and extend into a flower of mammoth proportions. The growth is vigorous to a degree. The beauty of the form and ever increasing wealth of color are maintained from the incipient bud until the last petal drops." See color plate opposite.

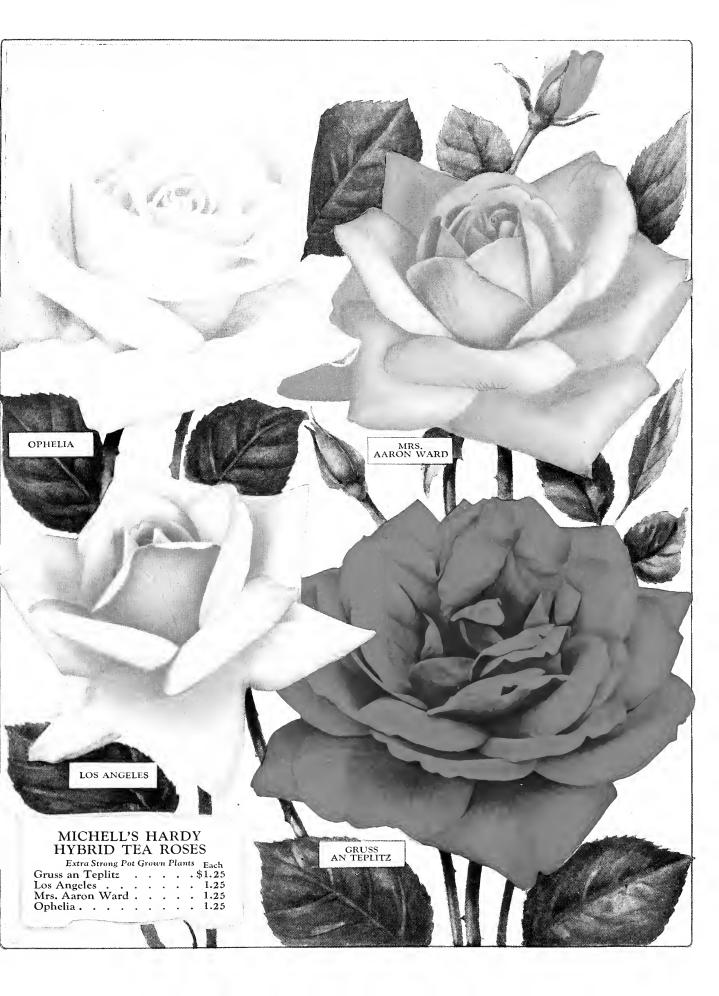
Mme. Caroline Testout. One of the most popular and valuable bedding varieties; large globular flowers of bright satiny rose with brighter center. Strong vigorous grower; very free flowering and fragrant; particularly fine in Autumn.

Mme. Edouard Herriot. This is the celebrated "Daily Mail" rose which has been so extensively advertised. In color it is coral red, shaded with yellow and bright rosy scarlet, with yellow at the base; a wonderful combination of most pleasing colors.

Mme. Leon Pain. Entirely distinct in color, a fine silvery salmon, with deeper orange-yellow shaded center, the reverse of the petals being a salmony-pink; flowers large, full and well formed; very free flowering and a splendid bedding variety.

Miss Lolita Armour. This beautiful Rose won the Gold Medal at the Bagatelle Gardens in Paris, France, in 1921. It is a strong vigorous grower and very free-flowering. The buds are well shaped, chrome yellow at the base, shading to orange and copper. As the flowers expand they develop to a deep coral red; very fragrant.

Price on any of the above, \$1.25 each; doz., \$12.00; \$90.00 per 100. 6 Roses supplied at the dozen rate, 25 supplied at the 100 rate. Pot Grown Roses are ready for shipment about May 1



MICHELL'S HARDY POT-GROWN ROSES

GENERAL LIST OF MICHELL'S SELECT HYBRID TEA ROSES

Mrs. Aaron Ward. A very free blooming variety of vigorous but compact growth. The flowers, which are of splendid form are full double and are equally attractive when in full bloom as in the bud state. The color is a distinct Indian yellow which under certain conditions becomes yellow tinted white. A favorite everywhere. See color plate opposite page 112.

Mrs. S. K. Rindge. This beautiful and distinct Rose has given general satisfaction. It is of strong, free branching habit of growth, with dark green, mildew-proof foliage; long pointed buds carried erect on stiff stems. Color, clear, rich chromeyellow, which as the flowers mature, become suffused with salmon-pink. The flowers are of good size, moderately double and are produced freely and continuously.

Ophelia. This is a variety that has made such a record for itself, that it must be classed among the very best, a rose that is admired by everybody. The flowers held erect on long stems are of perfect form, are of a pleasing shade of light salmon flesh shading to pale yellow at the base of the petals. Blooms profusely all summer and far into the Autumn. See color plate

opposite page 112. Radiance. A Rose of American origin and to our mind one of the very best varieties in cultivation today. It is an ideal bedder, producing large flowers throughout the Summer when many other varieties are out of bloom; in color a beautiful even shade of pink. This Rose should be in every garden.

Red Radiance. A counterpart of Radiance from which it is a "sport," possessing all of the good points of that valuable variety, but differing in color, which is bright cerise-red.

Rose Marie. One of the best bedding roses. A strong grower and exceptionally free flowering. It produces beautiful long buds which open into large flowers of perfect form; a pleasing clear rose-pink in color.

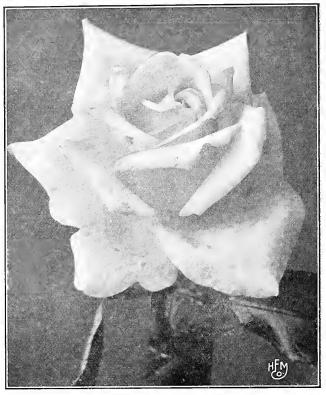
Sunburst. A vigorous grower with erect or slightly spreading habit and dark bronzy foliage. The flowers are of medium size, full and of fine elongated cup form; color a superb cadmium-

yellow passing to yellow-orange in the center.

William F. Dreer. A beautiful Rose of the same parentage as Los Angeles, and which, for delicacy of coloring, is not comparable to any other variety, it reminding one of the delicate tints of some varieties of water lilies. The flowers, which are similar in shape to Los Angeles and like that variety, beautiful in all stages of development, are at their best in the half-expanded flower. These, in expanding, are of a soft, silvery shellpink, the base of the petals of a rich golden-yellow which, at certain stages of development, gives a golden suffusion to the entire flower, this golden suffusion being particularly brilliant early and late in the season.



Hybrid Tea Rose, Radiance



Tca Rose, Lady Hillingdon

SELECT TEA ROSES

Tea Roses have always been admired for their delicious fragrance and for their delicacy of coloring. As a class they are not quite as hardy as the Hybrid Teas, but the varieties offered below will winter safely if given ample protection as recommended in our notes on Rose Culture.

Lady Hillingdon. One of the best Tea Roses of its color, deep apricot yellow throughout. It varies from medium to large size and is very beautiful both in bud and in flower. The plant is hardy, a strong grower and is very floriferous.

Maman Cochet. An extra strong grower, producing its large buds and flowers in the greatest profusion; color deep rose pink, inner side of petals silvery rose, very double; exquisite in bud or when in full bloom.

White Cochet. Identical with Maman Cochet except in color, which is a pure creamy white with tinting of pink.

William R. Smith. A cross between Kaiserin Augusta Victoria and Maman Cochet; one of our best bedding Roses; flowers large, of elegant form; creamy-white with light rose shadings.

OLD FAVORITE BOURBON ROSE **HERMOSA**

Medium-sized, full flowers of soft pink, continuously produced on a sturdy plant. Has been a standard, constant blooming sort for more than two generations, its symmetrically formed blooms always winning admiration. Does well in pots.

Prices on any of the above, \$1.25 each; \$12.00 per doz.; per 100, \$90.00; 6 Roses supplied at the dozen rate, 25 supplied at the 100 rate. Pot grown Roses are ready for shipment about May 1

MICHELL'S HARDY POT-GROWN ROSES



Hybrid Perpetual Rose, Frau Karl Druschki

HARDY HYBRID PERPETUAL ROSES

Before the development of the Hybrid Teas, this was the most popular type for garden planting and even now they should not be overlooked, but should be used extensively in conjunction with the other sorts. They are perfectly hardy and of vigorous growth, blooming tremendously in June and sometimes sparingly in Autumn. Hybrid Perpetuals are taller in growth and need more space than the Hybrid Teas; in pruning cut away all weak growth, and if quality of bloom is desired, cut back the strong canes to within 8 or 9 inches of the ground, but if quantity of bloom for garden effect is desired, leave these canes from 2 to 3 feet high, according to their strength.

American Beauty. Very large flowers, deep pink to carminecerise, delicately veined with darker red. A strong grower and deliciously fragrant.

Frau Karl Druschki. This is the queen of all white roses both in size and purity. The flower is very double and opens to a pure snow white. The growth is vigorous and the plant is a most prolific bloomer during the month of June. Scattering flowers often appear in the Fall, although Hybrid Perpetuals seldom flower again the same season after producing their main crop in June.

Gen. Jacqueminot. The old favorite "Jack" rose is still popular. The blooms are large, full and globular, having an excellent cup shaped form; in color they are brilliant scarlet crimson, with deep veining toward the base of the petals.

Magna Charta. An old variety of great merit. The blooms are of large size, in color a bright pink suffused with carmine. It is very fragrant and free flowering.

Mrs. John Laing. Beautifully formed shell-pink flowers; exceedingly fragrant and borne on strong stems; splendid for cutting. A good grower and one of the most popular roses.

Paul Neyron. Probably the largest rose in cultivation; in color a clear pink shading to soft rose and having a delightful fragrance. A strong vigorous grower and like Frau Karl Druschki will often produce scattering flowers during the late Summer and Fall.

Price, any of the above, 1.25 each; doz., 2.00; 90.00 per 100.

BABY RAMBLER AND POLYANTHA ROSES

A type of rose which is very popular for bedding purposes. They are mostly dwarf in habit, growing about 18 inches high, producing in great profusion from early in the season until severe frost, immense trusses of small flowers. Pruning is not necessary, simply remove the past season's flower stems.

Catherine Zeimet. A very free flowering variety, pure white in color.

Cecile Brunner (The Fairy or Sweetheart Rose). A Polyantha variety with dainty little double flowers of perfect form produced in many flowered graceful sprays; color, a soft rosy pink on a rich creamy white ground.

Chatillon. This, we believe, will become one of the most popular Roses of this type. The flowers are semi-double, perfect in form, about 1% inches in diameter. In color a silvery crimson which gradually shades to a white center, giving a most pleasing effect. These flowers are produced in sprays from fifteen to fifty flowers each and frequently remain in good condition for three weeks. The color, graceful habit of growth and freedom of flowering leave nothing to be desired.

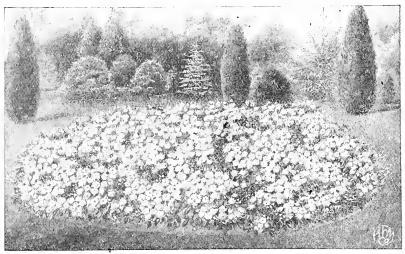
Edith Cavell. A very free flowering variety; color, brilliant crimson with white eye.

Ellen Poulson. A very free flowering variety; dark brilliant pink, sweetly scented.

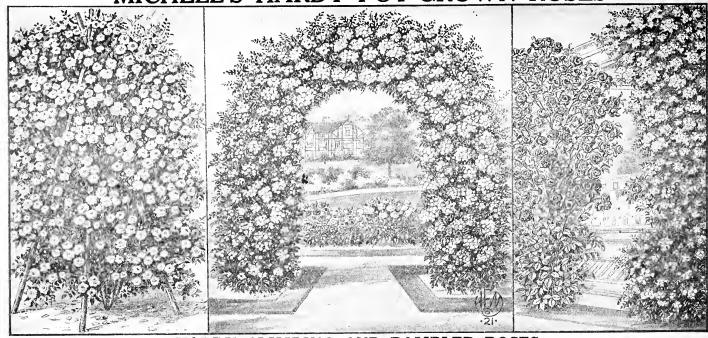
Lafayette. An entirely new type of Baby Rambler with large cherry-crimson, semi-double flowers produced in immense branched trusses. Free and continuous blooming. Very effective as a single plant massed in beds.

Louise Walter (Baby Tausendschoen). Pink, changing to rosy carmine as the flowers open, resembling the climbing variety Tausendschoen. Flowers freely throughout the season in trusses of from 10 to 20 flowers each.

Price of Baby Rambler and Polyantha Roses, \$1.25 each; doz., \$12.00; \$90.00 per 100.



Baby Rambler Rose



HARDY CLIMBING AND RAMBLER ROSES

As an ornamental plant for covering verandas, porches, side walls, pillars, fences, etc., these are unequalled, calling forth more admiration than anything else that can be used. They require no pruning in the Spring beyond the cutting out of very old or dead wood and shortening of the laterals and long canes to make the growth conform to the space to be covered, but a severe pruning in July directly after they have finished flowering is beneficial. Cutting away at that time all old flowering wood will encourage a vigorous growth, which will give an abundance of flowers the following season.

American Pillar. The large single flowers are a lovely shade of cherry pink, with a clear white eye surrounding numerous golden yellow stamens. The canes are of a strong vigorous growth and flower freely. The foliage is distinct and decorative.

Aviateur Bleriot (*The New Yellow Rambler*). A strong growing plant with beautiful glossy insect and disease proof foliage, bearing large clusters of medium full sized double flowers of a saffron yellow dispersing to an almost golden yellow in the center.

Bess Lovett. Resembles Climbing American Beauty in shape of flower, but much brighter in color, being a clear bright red, double, full cupped form and of notable lasting quality. A strong vigorous grower and very fragrant.

Christine Wright. A beautiful rose of strong climbing habit, producing double flowers 3 to 4 inches in diameter, singly and in clusters, of a wild rose pink. See color plate opposite.

Climbing American Beauty. The name of this rose is rather misleading, yet on its own merits it is a splendid climber. It has but one blooming season, June, when it bears very abundantly a very bright self colored, medium pink flower of moderate size. It has splendid glossy foliage, each flower opens full and perfectly, comes on a nice long stem for cutting and would be a credit to a bush grown rose. See color plate opposite.

Dr. W. Van Fleet. One of the most important climbing roses, having perfectly formed buds, long and pointed, deep pink in color and very solid. The full blown flowers are very large, borne on long stems, fragrant and fine for cutting.

Dorothy Perkins. Beautiful shell pink, fragrant and full, blooming in clusters in June. The most popular of all climbing roses during the past few years. This is a very good rose for covering stone walls, fences, embankments and arbors.

Excelsa. Here we have a worthy successor to Crimson Rambler, being equally as free flowering as that variety but without its unsatisfactory foliage, this variety being a true Wichuriana rambler with all of the strong wiry growth and beautiful foliage of this desirable class. Really the best double red rambler.

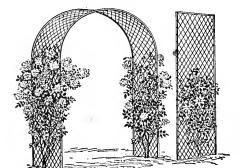
Pauls Scarlet Climber. No other rose in any class can compare with it for brilliancy of color, which is a vivid scarlet that is maintained without burning or bleaching until the petals fall. See color plate opposite.

Silver Moon. An indispensable hardy climber having long well shaped buds, creamy yellow on first appearance, opening into immense Clematis like flowers of a waxy whiteness. The center is a mass of bright yellow stamens making a wonderful contrast.

Tausendschoen. The individual flowers are of a most elegant and graceful form. In color it is a most delicate shade of soft pink when first opening, changing to carmine on the reverse of the petals when fully expanded. The flowers are produced in trusses, each truss almost a bouquet in itself.

White Dorothy. A handsome pure white sport from the old favorite Dorothy Perkins, and it has all of the finer qualities found in that charming variety.

Price. Strong plants of any of the above, \$1.00 each; doz., \$10.00; \$75.00 per 100.



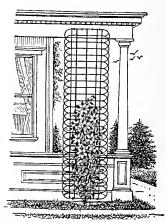
WIRE TRELLIS

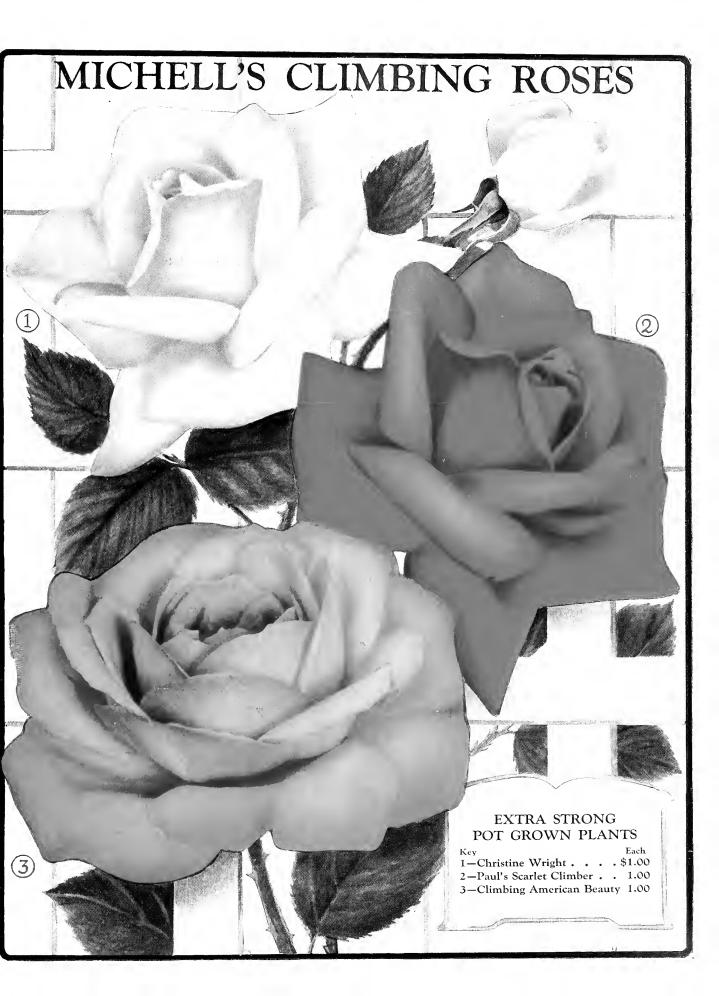
Thoroughly galvanized and well made.

Any length desired up to 165 running feet. 18-inch wide, less than 165 ft. roll, 14c. per ft. 18-inch wide, in roll lots, 165 ft., 12c. per ft. 24-inch wide, less than 165 ft. roll, 16c. per ft. 24-inch wide, in roll lots, 165 ft., 14c. per ft.

GALVANIZED WIRE WORK

This can be furnished on short notice, any height or any width, in either trellises or arches. Made of heavy diamond mesh wire with strong frames. It requires usually several weeks in which to complete orders for this. 50c. per sq. ft. on pieces aggregating 10 sq. ft. or over; less than 10 sq. ft. pieces, 55c. per sq. ft.





MICHELL'S HARDY POT-GROWN ROSES



New Hybrid Wichuraiana Rose, Mary Wallace

NEW HYBRID WICHURAIANA ROSE, "MARY WALLACE"

Named by the Portland Rose Society in honor of the daughter of Secretary of Agriculture Wallace. It was originated at the Maryland Station of the Department of Agriculture by the late lamented Dr. W. Van Fleet, one of the world's greatest rosarians, who has given us such world-famed varieties as American Pillar, Silver Moon, Dr. Van Fleet, and many other meritorious sorts. Mary Wallace is the first of a series of what has been called "dooryard" Roses, that is expected to be of great usefulness and adaptability, and to the production of which Dr. Van Fleet was giving his best endeavors at the time of his death.

The Department describes it as a pillar Rose, making a fine, strong, self-supporting plant 6 to 8 feet high, with large, glossy foliage, blooming with great freedom in Spring and bearing a considerable number of fine buds in Summer and Fall. Flowers very large, generally exceeding 4 inches across, well-formed, semi-double, of a bright, clear rose-pink, with salmon base. Allowed space to develop, it makes a graceful bush from 4 to 5 feet high, clothed all over with its pleasing, disease-resisting foliage, which gives it the "dooryard" quality that was Dr. Van Fleet's ideal. It can also be used as a pillar or low climber. Hardy, having been tested in northern New York and New England. \$1.50 each.

TESTIMONIAL

Wheeling, W. Va.

I am more than pleased with my Rose bushes; I received them yesterday; they all were in fine condition, and I wish to thank you very much. I truly do appreciate your kindness and attention to my small order.

Mrs. H. A. F.

Pot-Grown Roses are usually ready for shipment
May 1

TENDER CLIMBING ROSE, MARECHAL NIEL

Not hardy in the North, but prized in the South for its wonderfully sweet and lovely pointed yellow buds, which are beautiful in form and fragrance. Does well in greenhouses in the North. \$1.25 each.

CLIMBING HYBRID TEA ROSES

These are not quite as free flowering as the bush type of Hybrid Tea Roses, but they produce a large crop of beautiful flowers in June with a quite liberal scattering of flowers throughout the season. In pruning these cut out all small thin wood and cut the strong shoots back to prominent eyes.

Climbing Hoosier Beauty. A climbing form of this beautiful Rose. Brilliant crimson scarlet flowers of exquisite form; long bud and very fragrant.

Climbing Kaiserin Augusta Victoria. Ivory white, identical with the parent K. A. Victoria, except its climbing habit.

Climbing Lady Ashtown. The best of all climbing H. T. varieties; a wonderful grower, producing throughout the entire season, numerous soft rose colored flowers, fine for cutting.

Climbing Sunburst. A true Sunburst of climbing habit.

Price of any of the above, \$1.25 each; doz., \$12.00; \$90.00 per 100.



Climbing Hybrid Tea Rose—Lady Ashtown

TESTIMONIAL

Wynnewood, Pa. June 18th, 1923

Gentlemen

I have been very well pleased with plants and seeds that I have received from you. The Roses you sent me this spring were packed so well that they are doing very well now, even though we had to leave them in the crate for nearly two weeks; I have had some beautiful blooms from them already.

Mrs. Ť. M. S.



Hardy flowers are gaining favor as there is not a time during the whole flowering season when some variety is not in bloom. Hardy Perennials appear year after year, and as each variety has a fixed time for blooming, a selection can be made that will give flowers to cut from early Spring until late Fall. Our book on "Hardy Perennials" is an instructive publication, and can be had free on request.

A NOTE ON THE QUALITY OF PLANTS:—We endeavor at all times to send out the very best that we can. Some planters have an idea that large field grown clumps are more desirable than small pot-grown plants or field divisions. This is generally not so,

the smaller stock giving far better results on every occasion. Attention is also called to the fact that Summer Flowering Plants, such as Asters, Begonias, Cannas, and the like, generally cannot be shipped with Perennials, Shrubbery, etc., as they are usually not ready until the beginning of May; in fact if sent much earlier than that they might perish if planted out, even in the latitude of Philadelphia. mention these facts, believing that our customers may be interested to know why we sometimes make separate shipments of their orders. We do it in their interests and to facilitate the filling of their orders.

SPECIAL NOTICE ON GUARANTEE.—We spare no effort to supply all plants, trees, etc., of the best quality in first class living condition. On account of the many causes beyond our control we regret we cannot guarantee this stock to live and establish itself, as that is entirely within the power of the buyer or planter. If customers desire us to guarantee plants, trees, shrubs, hedge, etc., to live we will assume such guarantee at an advance of 25 per cent. over and above our usual prices, but not otherwise, and such guarantee will expire within 90 days from date of shipment.

ACHILLEA (Milfoil or Yarrow)

Eupatorium (Fern-leaved Yarrow). Finely-cut foliage and brilliant yellow heads of flowers, lasting in full beauty all summer; 4 to 5 feet.

Millefolium Cerise Queen (Rosy Milfoil). Finely cut, deep green foliage; flowers cherry red in dense heads; 18 inches high.

Ptarmica Boule de Neige (Ball of Snow). An improvement on The Pearl; the flowers, while not quite so large, are of more perfect form, with fuller centers, which makes it appear purer

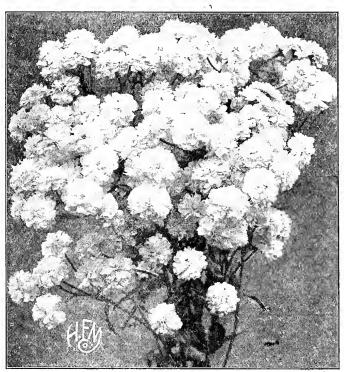
Tomentosa (Wooley Yarrow). Handsome cut foliage with bright yellow flowers. June; 12 inches.

3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.

ACONITUM (Monkshood or Helmet Flower)

Fischeri. A dwarf variety growing 18 inches high, with large, pale blue flowers in September and October.

Sparks' Variety. The darkest blue of all; flowers in June; 3 feet. Price, 3 for \$1.00 (by P. P., \$1.15); \$3.50 per doz. (by P. P., \$3.85); per 100, \$25.00.



Achillea

AGROSTEMMA (Rose Campion)

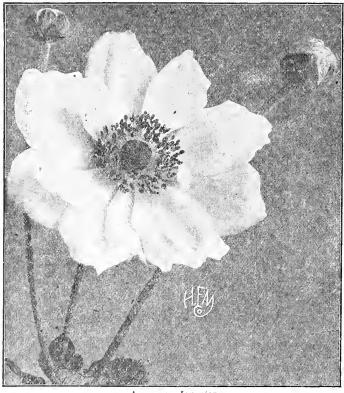
Stout, erect-growing plants, with silvery foliage, which contrasts well with the showy flowers, produced during June and July. Coronaria (Mullein Pink). Bright rosy crimson; $2\frac{1}{2}$ to 3 feet. Coronaria Alba. A pure white variety. Price, 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P.,

\$3.30); per 100, \$18.00.

ALYSSUM

Saxatile Compactum. An excellent low spreading plant for rockery or border, growing about 10 inches high and producing in May masses of golden yellow flowers. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.

ANCHUSA (Sea Bugloss)
Italica "Dropmore Variety." Plants grow 4 feet high in pyramidal shape, branch freely and are loaded with bright blue, Forget-me-not-like flowers in June; very showy and valuable. 3 for \$1.00 (by P. P., \$1.15); \$3.50 per doz. (by P. P., \$3.85); per 100, \$22.00.



Anemone-Japonica

ANEMONE JAPONICA (Windnower)

As a last greeting of autumn these gay flowers appear in wondrous brilliancy and produce a wealth of bloom until cut

down by hard frost.

Plants vary from 2 to 3 feet high, and are ideal for cutting; the flowers appear in August and remain till frost. They require winter protection with leaves, straw or long manure, which amply repays one for the extra trouble taken.

Queen Charlotte. Very large semi-double flowers of La France

pink, a color that is rare among hardy plants.

Whirlwind. Large, semi-double pure white flowers, very free.

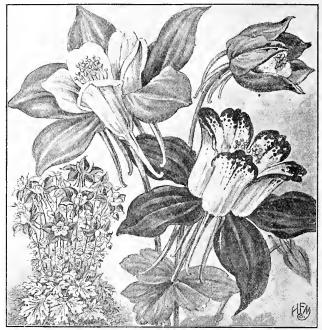
Hupehensis. A native of central China, resembling Anemone
Japonica in a miniature way. The plant grows from 10 to 12
inches in height and is wonderfully free flowering from early August until late Autumn. A pleasing mauve-rose in color. Rubra. A lovely rosy-red with bright yellow stamens.

Price of Anemones, 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.

West Chester, Pa.

Gentlemen:

The splendid plants reached me in fine shape. They will Mrs. S. J. L. never know they have been moved.



Aquilegia (Columbine)

AQUILEGIA (Columbine)

For spring blooming these are invaluable, producing their graceful spurred flowers on stems rising 2 feet over their attractive foliage, during May and June. For rockery gardens, semi-shaded places, in hardy borders or planted in clumps, they are very effective.

Michell's Long-spurred Hybrids. This is the most admired type of Columbines. They have been produced from the strains of several famous hybridizers and much superior to the usual grade. The plants are of strong, thrifty growth. The flowers of largest size vary in color through charming tones of cream, pink, lavender, blue, white, red, etc., hardly any two being exactly alike. We offer them in mixed colors only.

Canadensis (Common American Columbine). The native bright

red and yellow variety, and one of the brightest.

Chrysantha (Golden Columbine). Bright yellow, long-spurred flowers.

Coerulea (Rocky Mountain Columbine). Bright blue and white long-spurred flowers.

Rose Queen. A newer variety of a pleasing shade of delicate pink, long-spurred flowers.

Vulgaris (Common European Columbine). Violet blue.

Price of Aquilegias. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.

ARABIS (Rock Cress)

Alpina. One of the most desirable of the very early springflowering plants that is especially adapted for edging and for the rock garden, but does equally well in the border, forming a dense carpet, completely covered with pure white flowers. Lasts for a long time in bloom. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.

ARMERIA (Sea Pink or Thrift)

Attractive dwarf plants that will succeed in any soil, forming evergreen tufts of bright green foliage, from which innumerable flowers appear in dense heads, on stiff, wiry stems, from 9 to 12 inches high. They flower more or less continuously from early spring until late in the fall. Very useful in the rockery.

Laucheana Rosea. Bright rose. Laucheana Alba. White.

Price, 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.

ASCLEPIAS (Butterfly Weed)

Tuberosa. Very showy native plants, about 2 feet high, producing their flowers of brilliant orange-scarlet during July and August. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.

HARDY ASTERS

Tall-flowering, stately plants, which may be used with splendid effect in borders or in clumps as specimens on lawns, in large groups or beds. They form the basis of a color scheme in a perennial border during the months of September and October, and last well into November. The rich shades of blue and purple blend harmoniously with most any surrounding. They thrive equally well in the sun or partial shade. For cutting they are invaluable. The wide range of color makes this one of our finest summer and autumn-flowering perennials.

FALL FLOWERING VARIETIES

Autumn Beauty. An exquisite shade of light blue; very large flowers, commencing to bloom in the late summer and continuing almost up to frost time; height, about 4 feet.

Glory of Colwall. A splendid improvement on the variety Beauty of Colwall, with good-sized, nearly double, ageratumblue flowers; remarkably free flowering; 2½ feet, September and October.

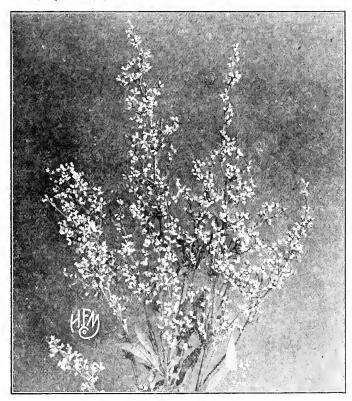
Roseum Superbum. This is one of the best hardy Asters we have ever seen. The color is almost red; profuse bloomer.

Novi Belgii Climax. Of strong, vigorous habit, 5 feet high; branched pyramidical-shaped flower stems; lavender-blue flowers. August-October.

Snowflake. Very free bloomer; pure white; height, 2 feet.

St. Egwin. Densely branched, producing beautiful pink flowers; 3 feet: September.

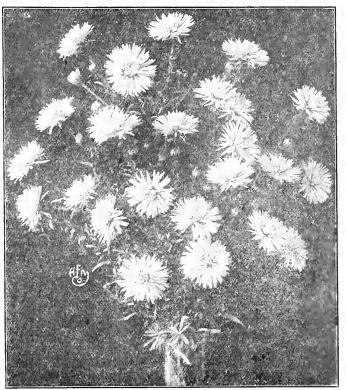
Price, 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.



Artemisia Lactiflora

ARTEMISIA LACTIFLORA

Unlike the other varieties offered, which are grown for their foliage, this comparatively new introduction from China is a most effective flowering plant, with erect stems 31% to 41% feet high, clothed with elegantly cut, dark green foliage and terminated by panicles of Hawthorn-scented, creamy white Spiraea-like light and graceful flowers. It is at its best from the latter part of August to the end of September, and is particularly valuable on this account, being unlike any other plant in bloom at that time. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.



Aster-Glory of Colwall

DWARF ALPINE ASTERS

Alpinus. Indispensable for the rockery or edge of hardy borders; grows 6 to 10 inches high and bears large, showy bluish-purple flowers in May and June.

Alpinus Albus. Identical to the above, but with pure white flowers

Price of Alpine Asters, 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.

TWO NEW HARDY ASTERS

Maggie Perry. Very large flowers, about 2 inches in diameter, loosely arranged in large trusses of a pleasing shade of mauve.

Entirely distinct from any other hardy Aster

Entirely distinct from any other hardy Aster.

Perry's White. This is without doubt the finest white hardy aster yet introduced; it is a strong grower and during the early Autumn the many branches are literally covered with large flowers, about 2 inches in diameter. The flowers are pure white with golden center and when fully developed the center turns crimson, a striking combination.

Price of the above two newer asters, 3 for \$1.00 (by P. P., \$1.25); \$3.50 per doz. (by P. P., \$3.85); per 100, \$22.00.

JAPANESE HARDY ASTER

Mauve Cushion. An entirely distinct species. It forms a circular cushion-like plant $2^{1/2}$ feet across, rarely exceeding 9 inches in height. The flowers of delicate, soft mauve, with silvery white reflection, measure over $1^{1/2}$ inches in diameter and are produced in such lavish profusion as to completely cover the plant; the blooms begin to expand early in October, but are not at their best until November. 2 for \$1.00 (by P. P., \$1.15); \$5.00 per doz. (by P. P., \$5.50); per 100, \$30.00.

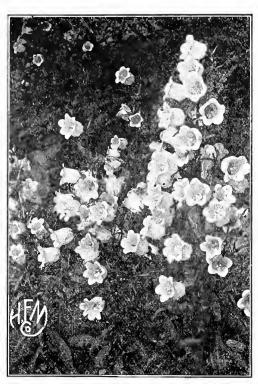
ARTEMISIA

A most useful class of plants either for the border or for filling in within the shrubbery. With the exception of the variety Lactiflora, described and illustrated in opposite column, they are not remarkable for their flowers; the foliage of the sorts offered is very ornamental. All these varieties offered stand cutting down to 5 or 6 inches when used in carpet or ribbon bedding.

Abrotanum (Old Man, or Southern-wood). Dark green, finely cut foliage, with pleasant aromatic odor; 2 feet.

Stelleriana (Old Woman). Deeply-cut silvery foliage; much used in carpet bedding; 18 inches.

Price of Artemisias. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.



Campanula-Media

CAMPANULA (Bell Flower)

Showy perennial plants of special merit; some are tall, being suitable for borders; others are dwarf, for rockeries and edging. In every well-ordered hardy garden Campanulas should have a prominent place. They delight in a good rich loam, preferring a semi-shaded place. The taller varieties should be carefully staked, to prevent them from being broken during windstorms. If the flowers of Campanulas are cut as they fade it greatly prolongs the blooming period of the plant.

Calycanthema (Cup and Saucer). These are biennials, and last only one season, when planted in the autumn. Pink, white and blue, each color separate; height, 18 inches; June-July.

Media (Old-fashioned Canterbury Bells). This is a biennial type, like the Calycanthema, and will last only one season, when planted in the autumn. If flowers freely in June, July and August, and grows 3 to 4 feet high. Blue, pink and white, in separate colors.

Pyramidalis (Chimney Bell Flower). The most conspicuous of all Campanulas, forming a perfect pyramid 4 to 6 feet high of porcelain blue flowers in August.

Any of the above, 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.

NEW HARDY CARNATION "Miss America"

This is a decided acquisition to the hardy garden, flowering freely from early Summer until very late in the Autumn. In fact it has been seen in full bloom when snow was on the ground. The flowers are bright crimson, and borne on long stiff stems; equal in size to the Winter flowering Carnations grown under glass and are distinctly clove scented.

This new Carnation is worthy of a place in every garden and it also makes an excellent subject for the window garden, as it flowers freely at all times. 3 for \$1.10 (by P. P., \$1.25); \$3.50 per doz. (by P. P., \$3.85); per 100, \$22.50.

HARDY BORDER CARNATIONS

Choice mixed seedlings produced from seed. We supply strong plants that will furnish an abundance of double flowers this season. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.

Note—Please read carefully instructions on page 106 before ordering plants.

ASTILBE ARENDSI

This new type is the result of crossing A. Davidi with A. Japonica Compacta, Astilboides and Thunbergi. The plants are of very vigorous growth, 2½ to 3½ feet high, producing many branched feathered heads of flowers in June and July. They prefer a half-shady, moist position in any ordinary garden soil.

Ceres. Delicate light rose-colored flowers, with peculiar silvery

Salmon Queen. Graceful panicles of a beautiful salmon pink. Vesta. Very graceful plumes of light lilac-rose. 2 for \$1.00 (by P. P., \$1.15); \$5.00 per doz.

BOCCONIA

(Plume Poppy, or Tree Celandine)
ordata. A noble, hardy perennial, beautiful in foliage and flower; admirably adapted for planting in the shrubbery borders, center of beds and in bold groups in almost any position. It will grow in any soil or situation, attaining from 6 to 8 feet in height; flowers in terminal panicles, of a creamy-white color during July and August. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.

BOLTONIA (False Chamomile)

Among the showiest of our native hardy perennial plants, with large single, Aster-like flowers. The plant is in bloom during the summer and autumn months, and with its thousands of flowers open at one time, produces a very showy effect.

Asteroides. Pure white; very effective; 5 to 7 feet.

Latisquama. Pink, slightly tinged with lavender, 4 to 6 feet.

3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.

CARYOPTERIS (Blue Spirea)

Handsome, free flowering perennials, of bushy habit; very valuable for their late blooming season. For bedding or potculture.

Mastacanthus. Rich violet flowers produced in great profusion the whole length of the branches. 2 to 3 feet. September and October. 3 for \$1.00 (by P. P., \$1.15); \$3.50 per doz. (by P. P., \$3.85); per 100, \$20.00.

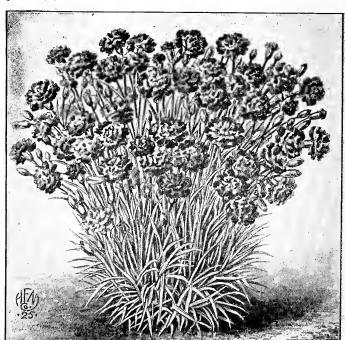
CENTAUREA (Hardheads or Knapweed)

Of easy culture, delighting in an open, sunny position, producing a wealth of bloom, which not only makes a fine display in

the border, but is excellent for cutting.

Montana (Perennial Corn Flower). Grows 2 feet high, bearing large violet blue flowers from July to September.

Montana Alba. Large white variety of the above. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.



Hardy Carnation, Miss America



Note—Please read carefully instructions on page 106 before ordering plants.

These showy and effective favorites are now universally popular. When planted outside they extend the flowering season of your perennial garden, blooming profusely in October after other flowers have been browned by early frosts, which do not affect the Chrysanthemums, producing a wealth of bloom especially fine for cutting. They should be planted in a well drained position either in the hardy border or at the edge of a shrubbery border. The planting should be done early in the Spring, so that the plants will have the entire Summer to establish themselves, and late in the Autumn, after they have finished flowering and the tops have been cut off they should have a covering of leaves or loose litter as a Winter protection, but do not cover with manure. Early in the Spring after danger of severe freezing is over and before any growth starts, the covering should be removed.

A. Barham (Large Flowering). A beautiful orange-bronze; early. Betsy Presby. Quilled petals, orange yellow; pretty and free. Cranfordia (Large Flowering). In this variety we have an early flowering Chrysanthemum that covers every possible point, perfect in flower, stem and foliage. Each plant will carry from 10 to 12 beautifully finished flowers of a deep bronze yellow; should be in every collection.

Eden. Beautifully formed flowers, rose-pink in color. Ethel Blades (Large Flowering). Very large flowers of a rich chestnut red, one of the best of the early flowering sorts.

Fee Parisienne (Large Flowering). Large deep rose flowers; early. Firelight. Bright red, Aster flowered.

Glory of Seven Oaks (Large Flowering). Golden yellow; dwarf

and very free. Golden Climax (Pompon). Orange yellow, one of the finest yellows now in cultivation. This variety has been admired more than almost any other in the various Chrysanthemum

Very small deep bronze. Iva (Button).

Shows.

L'Argentuillius (Large Flowering). Deep chestnut shaded crimson, coming into flower early in October. Very strong grower and free bloomer.

La Garonne (Large Flowering). Rose and buff in color; very attractive.

Lilian Doty (Pompon). The finest pink in the large flowering section of the Pompon family. A strong grower and producing beautiful sprays of clear light pink flowers.

Mrs. Nellie Kleris (Pompon). An improved Lilian Doty, but the color is more evenly diffused over the flower. The flowers are equally as large as Lilian Doty and the plant is a fine sturdy dwarf grower.

Mrs. W. E. Buckingham (Single). Mid-season pink; has proved itself one of the best varieties for cutting ever introduced. We cannot recommend this variety too highly.

Nellie Irwin (Pompon). A true Pompon; clear bright yellow in color and having fine clean foliage and stiff stems.

Price of any of the above, 4 for \$1.00 (by P. P., \$1.15); \$2.75 per doz. (by P. P., \$3.10); per 100, \$15.00.

Miss Mary Pope (Single). A pale pink with a very large flower; early; one of the best.

White tinted blush-pink; very early.

Oconto (Large Flowering). A Japanese variety with white flowers, on strong stiff stems; early.

Provence (Large Flowering). Light pink; early.

White Doty (Pompon). A sport of the popular variety Lilian Doty, identical in every way except color, which is a pure milk

Yellow Doty. One of the most robust growers in our collection, producing an abundance of bright, golden-yellow flowers.

Price of any of the above, 4 for \$1.00 (by P. P., \$1.15); \$2.75 per doz. (by P. P., \$3.10); per 100, \$15.00.



Dielytra Spectabilis

DIELYTRA or DICENTRA (Bleeding Heart or Seal Flower)

Spectabilis. We are fortunate in again being able to offer this old fashioned favorite, its long sprays of graceful heart shaped flowers are always attractive. A most satisfactory plant for the hardy border, especially when it can be planted in the shade. 2 for \$1.10 (by P. P., \$1.25); \$5.50 per doz. (by P. P., \$6.00).

SHRUBBY CLEMATIS

Recta. Grows 2 to 3 feet high and producing fragrant pure white flowers in large clusters during June and July.

Davidiana. A most desirable variety with fresh bright green foliage and bell-shaped flowers of deep lavender blue during August and September; very fragrant.

Price of Shrubby Clematis, 2 for \$1.00 (by P. P., \$1.15); \$4.00 per doz. (by P. P., \$4.50).

COREOPSIS

Lanceolata Grandiflora. Flowers rich golden yellow and of graceful form; fine for cutting. A few plants make a handsome display, either planted individually or in clumps; dozens of flowers are produced on a single plant, and where quantity and quality are wanted Coreopsis should be planted; June till October. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.

DELPHINIUMS OR HARDY LARKSPURS

In view of the wonderful display that Larkspurs make, it is worth while to exercise care in locating a most suitable position and in the preparation of the ground, the latter should have a good natural drainage. Never use animal manure in planting Delphiniums, unless it has been incorporated in the soil a year before planting. Pure bone-meal is the best fertilizer in promoting growth; apply with it also some

wood ashes; the latter will assist in holding in check earth grubs, which at times attack the roots and crowns of the plant. In order to keep Larkspurs in bloom continuously during the summer, cut the old flower stems off, after they have faded, and new shoots will produce flower heads in succession. To get the best out of hardy Larkspurs in the way of flowers, feed them occasionally during the growing season with an application of ground bone. A slight covering of long straw or leaves over the crowns of the plants during winter will prove a great benefit.

Belladonna. The freest and most continuous blooming of all, never being out of flower from the end of June until cut down by hard frost. The clear turquoise-blue of its flowers is not equalled for delicacy and beauty by any other flower.

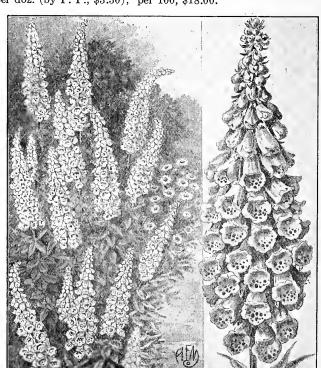
Bellamosum. A dark blue form of Belladonna with which it is identical excepting in color, which is a rich deep blue.

Chinense. A very pretty dwarf species, with fine feathery foliage and intense gentian-blue flowers in open panicles.

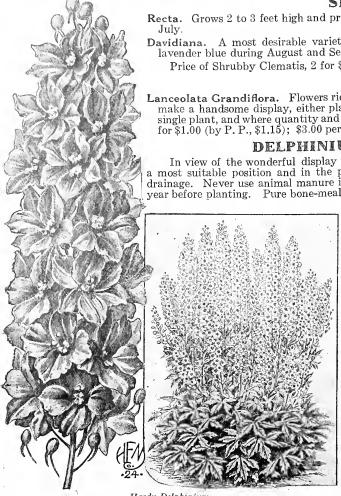
Album. A pure white form of the above.

Michell's Gold Medal Hybrids. Unquestionably the finest strain of mixed hybrids offered. The original stock came from England, and consisted of the best-named varieties. The plants are of strong, vigorous habit, with large flowers on spikes two feet and over long, the majority running in the lighter shades of blue. We can supply them in mixture only.

Price. Any of the above. 3 for \$1.00 (by P. P., \$1.15); \$3,00 per doz. (by P. P., \$3.30); per 100, \$18.00.



Digitalis (Foxglove) Gloxinaeflora



Hardy Delphinium

CHRYSANTHEMUM (Shasta Daisy)

Shasta Daisy (Alaska). A decided improvement on the original, with blooms 4½ to 5 inches across, of pure glistening white. Very free-flowering and in bloom all summer and fall. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.

DIANTHUS (Garden Pinks)

These are brilliantly colored flowers, which appear in great numbers on the plant, and have a rich clove scent. For table bowls, as a cut flower, they are much in use. For edging hardy borders, garden walks, or planted in rock gardens, they fill an important place. They are at their height of bloom in June.

Deltoides (Maiden Pink). A continuous flowering variety with pink flowers. Especially suited for rock work.

Deltoides Alba. White flowers.

Latifolius Atrococcineus Fl. Pl. (Ever-blooming Hybrid Sweet William). A splendid variety with brilliant crimson, double flowers. Flowers continuously during the entire season.

Any of the above, 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.

DIGITALIS (Foxglove)

These are showy plants, but are biennials (that is, live outdoors for two seasons), but can be made perennial by the following treatment: Immediately after blooming remove the flower stalk right down to the ground, also crop some of the large leaves; the result is, a number of new plants start from the old crown, which produce splendid flowers the second year. Digitalis will do well in semi-shaded spots; plants grow from 4 to 6 feet high; flower in June.

Gloxinaeflora. White, Pink, Purple, Lilac. Each separate.

3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.

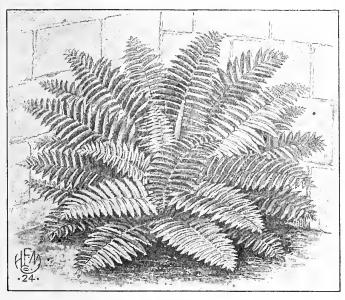
ERYNGIUM (Sea Holly)

Handsome ornamental plants, growing from 2 to 3 feet high. Effective in flower and shrubbery border, woodlands, wild gardens, etc.; the flower heads which are produced from July to September, are useful to cut for vases or to dry for winter bouquets.

Amethystinum. The finely-cut, spi ny foliage and the beautiful thistle-like heads are of glistening amethystine-blue. A most ornamental plant. 3 for \$1.10 (by P. P., \$1.25); \$3.50 per doz. (by P. P., \$3.85); per 100, \$22.00.

EUPATORIUM

Coelestinum. A pretty hardy plant, with light blue flowers similar to the Ageratum. This is a particularly fine thing in hardy perennials; a splendid cut flower. 18 to 24 inches. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.



Hardy Fern

HARDY FERNS

Many persons are perplexed to know what is best suited for planting in densely shaded borders, particularly around porches. Nothing in the world produces such a permanent and satisfactory effect as Ferns. The graceful plants grow on an average from 1 to 2 feet high, according to the variety, and the clumps increase in size and beauty each year. They die down in the winter and break forth again in May.

ADIANTUM Pedatum (Maidenhair Fern). 12 inch.

ASPIDIUM Acrostichoides (Christmas Fern). 12 inch.

ASPLENIUM Filix-foemina (Lady Fern). 12-15 inch.

CYSTOPTERIS Bulbifera (Bulblet Bladder Fern). 24 inch.

DICKSONIA Punctilobula (Gossamer Fern). 18 inch.

ONOCLEA Struthiopteris (Ostrich Fern). 24-36 inch.

-Sensibilis (Sensitive Fern). 12 inch.

OSMUNDA—Cinnamonea (Cinnamon Fern). 24 inch. —Claytoniana. 24 inch.

WOODSIA Illvensis. Excellent for rock-work, requiring little soil and thriving best in the sunniest corner. 6 inch.

Price, any of above, in large plants, 2 for \$1.00 (by P. P., \$1.15); \$4.00 per doz. (shipment via express, collect); per 100, \$25.00.

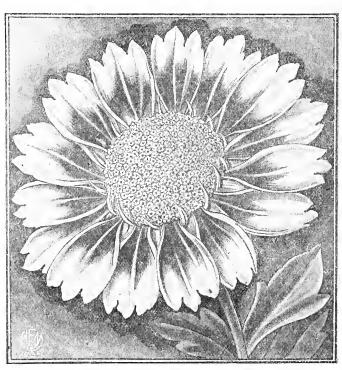
FUNKIA (Plantain Lily; Day Lily)

Japanese perennials producing attractive clumps of foliage and interesting lily-like blossoms. A continuous row along a walk gives a strong and pleasing character. Delight in moist, shady situations. The variegated foliage of some species is extremely beautiful and striking for decorative work.

Coerulea. Blue flowers, broad green leaves; June; 4 feet. Subcordata Grandiflora. Very large, pure white, lily-shaped, fragrant flowers in August and September; $2\frac{1}{2}$ to 3 feet.

Undulata Media Picta. Green and white variegated foliage; purple flowers. Makes a fine edging; July; 2 feet.

Price, 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.



Gaillardia, Grandistora Superba

GAILLARDIA (Blanket Flower)

Beautiful flowers are borne in profusion and make a striking effect. They last a long while as a cut flower, and are abundant from June until frost. Height, about 2 feet.

Grandiflora. Dark brown center, petals on the outer edge are yellow, and the center is surrounded with a rich orange disc. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.

GEUM (Avens)

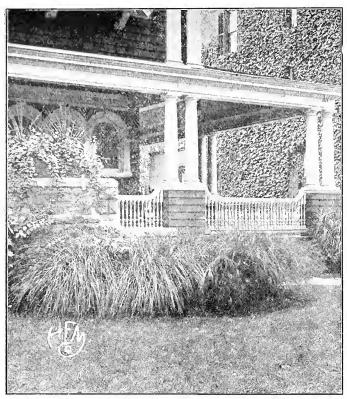
Well-known plants noted for their rich coloring and freedom of flowering. Useful for cutting and the rockery or border. May to July.

Coccineum, Mrs. Bradshaw. Twice the size of the old double scarlet with huge frilled petals, giving a full, double appearance. 6 to 10 inches. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.

GYPSOPHILA (Baby's Breath)

During August and September this is a mass of delicate flowers. These may be used as fresh cut flowers, also for a semi-everlasting effect. They keep for months without water.

Paniculata. Feathery sprays of white flowers; useful for effects in bouquets. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.



Pennisetum Japonicum

GRASSES (Hardy Ornamental)
The generous beautiful effect produced by the hardy Grasses is hard to describe. Plantings must be seen to be appreciated. Excellent as individual specimens.

Elymus Glaucus (Blue Lime Grass). A graceful growing type with narrow silvery blue foliage; a dwarf compact grower; height, 3 feet.

Erianthus Ravennae (Plume Grass or Hardy Pampas). Deep green narrow foliage, growing about 10 feet high.

Eulalia Gracillima Univittata (Japan Rush). Graceful narrow foliage, growing 5 to 6 feet. Green, with silvery rib.

Eulalia Japonica Variegata. An attractive variety with a variation of markings of white, green, sometimes light pink and yellow; 4 to 5 feet high.

Eulalia Japonica. Like the variegated variety, except that it is entirely green.

Eulalia Japonica Zebrina. Dark green foliage, crossmarked horizontally golden yellow. One of the best of hardy Grasses. Phalaris Arundinacea Variegata (Variegated Ribbon Grass or Gardener's Garter). This sort is especially suited for edging taller varieties, as it grows somewhat dwarf. The foliage is somewhat

broad, variegated white and green. 12 to 15 inches.

Pennisetum Japonicum (Hardy Fountain Grass). One of the most valuable hardy Grasses, either for beds, mixed borders or

as individual specimens. Height, 4 feet. Prices of Hardy Grasses, 3 for \$1.00 (by P. P., \$1.15); \$3.50 per doz. (by P. P., \$3.85); per 100, \$22.50.

HELIANTHUS (Hardy Sunflower)

Very effective in borders, among shrubbery or as clumps on the lawn, etc. They produce masses of flowers during summer until frost, which are splendid for cutting and decorative purposes.

Maximiliana. The latest of all, blooming profusely in October; the fine golden yellow flowers appear in long graceful sprays;

splendid for cutting; 5 to 7 feet.

Multiflorus Fl. Pl. Large, double golden yellow; July-August; 4 feet.

Orgyalis. A tall variety bearing single yellow flowers of medium size during September; 6 feet.

Rigidus Japonicus. One of the most desirable varieties, beginning to bloom early in July and continuing until fall; flowers golden-yellow, with dark centers; 5 feet. Price, 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P.,

\$3.30); per 100, \$18.00.



Helenium

HELENIUM (Sneezewort)

These desirable perennials succeed in almost any soil, in a sunny location. The flowers are splendid for cutting.

Autumnale Rubrum. Bright, terra-cotta red; 5 feet.

Riverton Beauty. Rich lemon-yellow, with large purplish-black cone; August and September; 4 feet.

Price, 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); \$18.00 per 100.

HELIOPSIS (Orange Sunflower)

This genus is very similar to the Helianthus. They are tallgrowing plants, well suited for the back of flower borders, where they flower beautifully throughout the summer.

Pitcheriana. One of the best hardy plants for the perennial border. Daisy-shaped flowers of deep orange color, on good stems for cutting. 2 to 3 feet.

Scabra Excelsa. A new variety with very rich chrome-yellow flowers, turning to a bright yellow as they mature. These are almost double, having from 4 to 5 rows of petals, and are produced very profusely. The plant is of robust growth, about 3 feet high. Mid-July to the end of August.

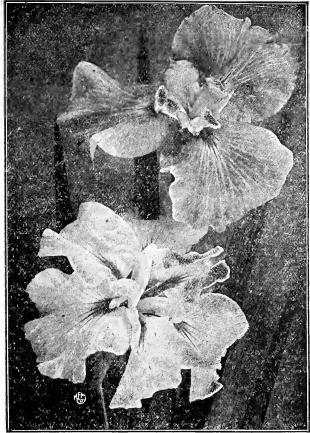
Price, 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); \$18.00 per 100.

HEUCHERA (Alum Root or Coral Bells)

Sanguinea. Bright crimson flowers, borne in graceful sprays; excellent for cutting. 3 for \$1.00 (by P. P., \$1.15); \$3.50 per doz. (by P. P., \$3.85); per 100, \$20.00.

HIBISCUS (Mallow)

Giant Flowering. A wonderfully improved form of our greatly admired Marsh Mallows. They are unusually attractive and form real show plants during their flowering season. They attain a height of 6 to 7 feet, have beautiful laciniated foliage and we offer these in separate colors. Red, pink and white or mixed colors. 3 for \$1.15 (by P. P., \$1.30); \$4.00 per doz. (by P. P., \$4.40); per 100, \$25.00.



Iris Kaempferi

IRIS KAEMPFERI (Japanese Iris)

The King of all Iris and in popularity they can be classed with the Hardy Phlox and Paeonies; coming into flower about the middle of June, they continue for five or six weeks and are particularly welcome at this time. They succeed in almost any soil and like plenty of water when forming their flower buds.

Aspasie. Single; color, soft mauve blue.

Eumee. Single flowers; purple veined darker purple.

Gold Bound. A fine double pure white, enriched by a creamy glow from the gold banded center.

Kumo-No-Obo. Six large, royal purple petals with a yellow center, radiating into lines; a most brilliant variety.

Mahogany. Large double flowers; the latest to bloom; color, purple mahogany red; the erect petals are prettily crested.

Midnight. Large single flowers, deep purple in color.

Nagano. Rich violet purple, shaded with blue; six petals.

Ondine. Very large, single pure white flowers.

Proserpine. Single, bright rich blue, produced by sanding of velvety blue on white.

Purple and Gold. Enormous double flowers, ten inches across; early and free blooming; color, rich, violet purple with white petaloids, tipped violet; the conspicuous golden throat extends outward in sharp bluish white rays.

Reine de Bulgarie. Soft lilac; lemon yellow throat; very good.

Price, any of the above named sorts of Japanese Iris, 3 for \$1.10 (by P. P., \$1.25); \$4.00 per doz. (by P. P., \$4.40); \$30.00 per 100.

Mixed Japanese Iris. All colors and shades. 4 for \$1.00 (by P. P., \$1.15); \$2.75 per doz. (by P. P., \$3.10); per 100, \$18.00.

PLEASE NOTICE WHEN ORDERING PLANTS

Where 3 for \$1.00 are offered customers may select 1 each of three varieties offered at this price; they need not take three of one variety or species, thus the price per plant is reduced.

IRIS GERMANICA (Fleur de Lis)

No garden or perennial border is complete without a planting of Iris; they thrive most anywhere, being absolutely hardy under most all conditions.

Bridesmaid. White, shaded silvery lilac.

Fro. Standards deep gold; falls chestnut brown; a highly colored variety. 40c. each; doz., \$3.50; \$25.00 per 100.

Halfdan. Large, creamy white flowers of good substance.

Monsignor. Standards satiny violet; falls velvety purple crimson, with lighter margin; very large flower. 40c. each; doz., \$3.50; \$25.00 per 100.

Mrs. Alan Gray. Standards and falls delicate pale rosy mauve; medium early. 40c. each; doz., \$3.50; \$25.00 per 100.

Navajo. Standards light bronzy yellow, shaded lavender; falls deep maroon, veined white and yellow; stigmas yellow; deep orange beard. 40c. each; doz., \$3.50; \$25.00 per 100.

Nibelungen. Standards fawn yellow; falls violet purple with fawn margin; a handsome, large flowering variety.

Pallida Dalmatica. Standards and falls clear lavender blue. shading to pale silvery blue at the base; large spreading flowers, sweetly scented. This variety is much confused with other Pallida types, which have been widely distributed under this name. The true Dalmatica can be easily distinguished by its form and light silvery shading at the base of the petals and its heavy glaucous foliage. 40c. each; doz., \$3.50; \$25.00 per 100.

Pallida Mandraliscae. Rich, lavender purple; tall, large and handsome, very early. 40c. each; doz., \$3.50; \$25.00 per 100.

Powhatan. Standards light bishop violet with deeper border; falls deep purple, shaded crimson; large, horizontal spreading flower. 40c. each; doz., \$3.50; \$25.00 per 100.

Queen of May. Standards and falls lovely, soft rose lilac, almost

pink.

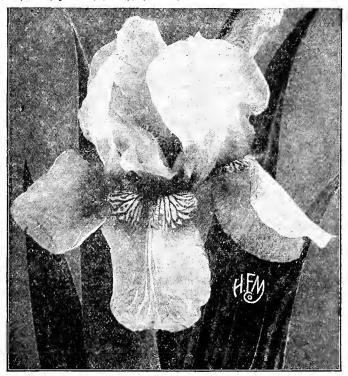
Tineae. Standards and falls deep blue, shaded lilac; fine large flower. Walhalla. Standards light, lavender blue; falls satiny violet

blue.

Wyomissing. Standards creamy white, suffused soft rose; falls deep rose base, shading to flesh colored border. 40c. each; doz., \$3.50; \$25.00 per 100.

Named sorts, any of the above (except where noted), 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); \$18.00per 100.

Mixed German Iris. 6 for \$1.00 (by P. P., \$1.10); per doz.. \$1.50 (by P. P., \$1.75); \$10.00 per 100.



Iris Germanica



Hemerocallis

HEMEROCALLIS (Yellow Day Lily)

Lily-like plants, flowering in great profusion during the

Lily-like plants, flowering in great profusion during the summer, making a fine cut bloom.

Aurantiaca. Large, trumpet-shaped, orange yellow flowers; reverse of petals bright Indian yellow; sweet scented.

Flava (Yellow Day Lily). Deep lemon yellow flowers during June and July; very fragrant; 2½ to 3 feet.

Fulva (Tawny Day Lily). Trumpet shaped flowers; coppery orange shaded crimson; June and July.

Kwanso Flore Pleno (Double). Coppery red; July; 3 feet high. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00 per 100, \$18.00

HYPERICUM (St. John's Wort)

Moserianum. A most desirable border plant, of free and graceful habit, producing long, slender, much-branched stems, leafy to the base and all drooping towards the ends, apparently from the weight of the flowers and buds, although the flowers face, so none of their beauty is lost. Free-flowering, of large size, measuring from 2 to 2½ inches in diameter; color rich golden yellow, which is rendered still more effective by the numerous yellow stamens and crimson anthers; blooms continuously. 2 feet. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.

IBERIS (Hardy Candytuft)

The Hardy Candytufts are low-growing plants, with evergreen foliage. In spring and early summer they are completely covered with dense heads of pure white flowers. For borders and rockeries they are unsurpassed.

Sempervirens. Pure white flowers; 1 foot. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.

LATHYRUS (Everlasting or Perennial Sweet Peas) The perennial pea is one of the hardiest and most easily cultivated species, thriving almost anywhere. It is a good trellis plant, and is adapted as a cover to wild, rough places.

Latifolius. Large deep red flowers on long stems in constant succession. 6 feet.

-Pink Beauty. Clusters of large beautiful shell-pink flowers. -White Pearl. Most beautiful of all everlasting peas with pure white flowers, which are about double the size of the ordinary Lathyrus Latifolius albus.

3 for \$1.00 (by P. P., \$1.15); \$3.50 per doz. (by P. P., \$3.85);

per 100, \$22.00.

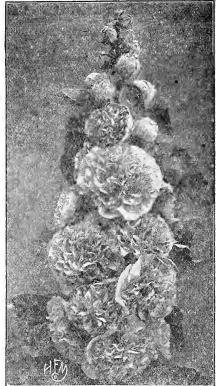
HOLLYHOCKS

(Double)

These thrive best in soil that is not too wet, which should be enrichwith well-rotted stable or sheep manure. While perfectly hardy, we recommend protecting them slightly during the winter with leaves, long manure or To guard against fungus or rust we recommend spraying the plants in early spring with Pyrox or Bordeaux Mixture.

Our strain of these is very fine, and we offer the following colors in double flowering only (each separate):

Yellow, Crimson, Pink, White. 3 for (by P. P., \$1.00\$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.



Michell's Double Holluhock

LAVENDULA (Lavender)

Vera. This is the true Sweet Lavender; grows about 18 inches high; delightfully fragrant blue flowers in July and August. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.

LIATRIS (Blazing Star, or Gay Feather)

Pycnostachya. Showy and attractive native plants, succeeding anywhere, producing spikes of light rosy-purple flowers in July and August; 5 feet. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.

LINUM (Flax)

Perenne. A desirable plant for the hardy border or rockery; light graceful foliage and large blue flowers all summer. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.

LOBELIA

Handsome border plants thriving in any good garden soil but ' preferring a moist loam where they will not suffer from drought. Cardinalis (Cardinal Flower). Rich fiery cardinal flowers. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.

LYCHNIS (Campion)

All of the Lychnis are of the easiest culture, thriving in any soil and this, in addition to their brightness, has brought them into high favor with lovers of hardy plants.

Chalcedonica. A most desirable plant; heads of brilliant orangescarlet flowers in June and July; grows 2 to 3 feet high.

Chalcedonica Alba. A white-flowered form of above. Viscaria. Forms a dense tuft of evergreen foliage, and in June sends up spikes of handsome, double, deep red flowers; 1 foot. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.

LYSIMACHIA

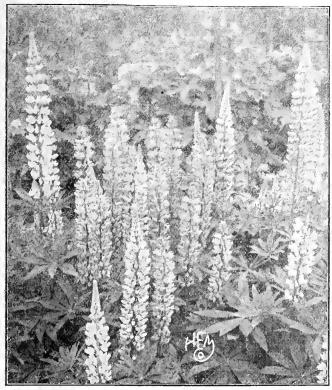
Clethroides (Loose-strife). A fine hardy variety about 2 feet high, dense, recurved spikes of white flowers from July to September. Nummularia (Creeping Jenny, or Money-wort). Valuable for planting under trees or shrubs where grass will not grow, where it quickly forms a dense carpet.

3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30);

per 100, \$18.00.

LILY OF THE VALLEY

For outdoor planting in shaded places. Pure white flower bells appear on stems about 8 to 10 inches long, the latter part of May. Bundles, 75c. each (by P. P., 85c.); doz., \$7.00 (by P. P., \$7.50); \$50.00 per 100. Stock cannot be shipped after May 15th.



Lupinus Polyphyllus

LUPINUS (Lupins)

These flower in May and June; are 3 to 4 feet high. phyllus. Blue. Very showy.

Polyphyllus. Blue. Polyphyllus White.

Polyphyllus Pink.

Price, 3 for \$1.00 (by P. P., \$1.15); \$3.50 per doz. (by P. P., \$3.85); per 100, \$25.00.

MATRICARIA (Feverfew)

flowering July and August; height, 12 inches; ideal for open sunny border. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.

MERTENSIA (Blue Bells)

Virginica. An early spring flowering plant growing 1 to 1½ feet high with drooping panicles of handsome light blue flowers fading to clear pink; one of the most interesting of our native spring flowers; May and June. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.

MONARDA (Bergamot)

Didyma Cambridge Scarlet (Oswego Tea). Crimson scarlet. -Rosea (Bee Balm). Flowers of a rose color, and sweetly fragrant foliage; 18 inches; July to September. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30);

per 100, \$18.00.

MYOSOTIS (Forget-Me-Not)

These are most effective when intermingled with Pansies, English Daisies or amongst summer-flowering perennials. They bloom usually about the middle of April, and last well into the summer. Palustris Semperflorens (Perpetual Flowering Forget-me-not). Blue with yellow throat; damp places; spread rapidly. 9 inches. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.

OENOTHERA (Evening Primrose)

The evening Primroses are elegant subjects for growing in an exposed sunny position, either in the border or on the rockery, blooming the greater part of the summer.

Missouriensis. Large golden-yellow. 1 foot. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.



Lily of the Valley

PACHYSANDRA

An evergreen trailing plant, with thick, glossy foliage forming a dense mat; one of the finest ground covers for either sunny or shaded locations.

Terminalis. Green; 6 to 8 inches high; small flower spikes of a grayish white, in May and June. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.

PENTSTEMON (Beard Tongue)

Most useful showy perennials, either for the border or rockery. They are perfectly hardy.

Barbatus Torreyi. Spikes of brilliant scarlet flowers; height, 3 to

4 ft.; June to August.

Digitalis. Large spikes of long purple-winter houses throats, during June and July. 2 to 3 feet.

Gloxinoides, Sensation. A beautiful strain bearing spikes of large Gloxinia like flowers in a great variety of bright colors, inspections of the plants. The plants cluding rose, cherry, crimson, purple, lilac, etc. The grow 2 ft. high and bloom from early Summer till frost.

Multiflorus Roseus. A compact growing variety, not over 2½ feet in height; the flowers are produced freely from June to

August and are of a pleasing shade of coral-pink.
Price, 3 for \$1.00 (by P. P., \$1.15); \$3.50 per doz. (by P. P.,

\$3.85); per 100, \$20.00.

PHLOX SUBULATA

Alba (Moss Pink). Moss evergreen-like foliage, tucking close to the ground and covered completely with white star-like flowers in May.

Rosea. The same as above but with pure pink flowers.

Price, 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P.,

MISCELLANEOUS VARIETIES OF PHLOX

Amoena. A beautiful plant, with soft rose-colored flowers; one of the best for rockeries or borders; 4 inches high; April-May. Divaricata Canadensis. A patch of these makes a spring show hard to describe. The large heads of fragrant lavender flowers appear the latter part of April and in May.
Price, 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P.,

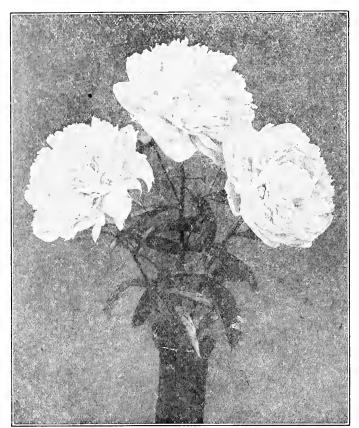
\$3.30); per 100, \$18.00.

MICHELL'S GIANT FLOWERING PAEONIES

No disease or insect ever troubles these plants. They delight in a sunny location and in deep rich soil. After planting, water regularly until you feel they are established and always take care to see that the crown or top of root is not more than 1 to 2 inches below the surface when covered. The roots are perfectly hardy and once planted remain for years, increasing in size. Roots can be delivered beginning in April or in the autumn beginning in September.

Our list of Paeonies is not a long one, but it has been made up carefully with the idea of offering the best and most distinct varieties. The selection gives a wide range of color and a long season of bloom as it includes early, midseason and late varieties.

With the standard well known sorts are included some of the newer and rare varieties which will prove a revelation to those who have never seen them.



Paeony, Sarah Bernhardt

Albert Crousse (Crousse 1892). Bomb type. Large, well formed flowers of soft shell pink, with faint salmon tints. Vigorous grower with tall erect stems. Fine as a cut flower. Late. \$1.00 each.

Armandine Mechin (Mechin 1880). Rose type. Large, compact, flat bloom of rich crimson shaded garnet and amaranth; very brilliant. Midseason. \$1.00 each.

Couronne d'Or (Calot 1873). Semi-rose type; late. Immense very full imbricated flat flowers, solid and compactly built; pure white with a ring of yellow stamens around a tuft of center petals tipped carmine. The whole flower glows with a delightful golden light, gaining the title of "Crown of Gold." Medium tall, robust grower and very free bloomer. 75c. each.

Edulis Superba (Lemon 1824). Crown type; very early. Beautiful, bright, clear mauve pink with silvery reflex. Decoration Day Paeony. 75c. each.

Felix Crousse (Crousse 1881). Rose type; late midseason. Rich, dazzling ruby red without a tinge of purple. \$1.00 each.
Festiva Maxima (Miellez 1851). Rose type; early. The

finest white in existence; pure white with clear carmine spot on edge of center petal. 75c. each.

Fragrans (Banks 1805). Bomb type. Compact full flowers of deep solferino red with slight silvery reflex; strong vigorous grower and free bloomer. Late; extensively grown for cut flowers. 75c. each.

Germain Bigot (Dessert 1902). Crown type. Very large, compact flower composed of broad petals; color, lilac rose, center prominently flecked crimson. Strong erect grower with medium tall stems; very free blooming. Midseason. \$1.50 each.

Grover Cleveland (Terry 1904). Rose type. Very large and full dark crimson flowers. Strong vigorous grower with upright stems; blooms in clusters, only fairly free. Especially desirable on account of being practically the only late dark crimson. \$1.75 each.

Jubilee (Pleas 1910). Rose type. Extremely large flat flower, having long, narrow petals arranged loosely, giving a feathery effect; buds show opal tints; as they unfold the color changes to ivory white. Unlike other Paeony buds, which are round, these are pointed like a rose; fragrant. Strong grower and free bloomer; long stems. A very distinctive variety and a great favorite. Midseason. \$7.50 each.

Karl Rosenfield (Rosenfield 1908). Semi-rose type; midseason. Very large globular compact flower, rich dark crimson in color; very strong, tall compact grower and free bloomer. A brilliant and striking variety, attracting universal attention. \$2.50 each.

La Tendresse (Crousse 1896). Very full large flowers borne in clusters. Color, milk-white, sometimes splashed with carmine. Tall, strong grower, free bloomer and fragrant. Rose type. Midseason. \$1.00 each.

Lady Alexander Duff (Kelway 1902). An immense cup shaped flower of rose type with wide imbricated petals. The color of the outer petals is delicate blush pink rapidly fading to lovely French white; central flower of rather flattened circular form and the central petals have a touch of carmine. Lateral buds come in semi-double, water lily-like flowers, exposing the anthers; showy, fragrant and very prolific. Robust, strong grower, thriving in all sections. \$4.00 each.

Mme. Emile Lemoine (Lemoine 1899). Semi-rose type. Large, globular, compact flower; color on first opening glossy white, overlaid with a sheen of tender satiny pink, covered with minute lilac dots. Tall, strong grower and free bloomer. Very beautiful and one of the finest white varieties. Midseason. \$1.00 each.

Mons. Jules Elie (Crousse 1888). Bomb type. Very large flowers of ideal glossy shell-pink, shading to a deeper rose at the base, the entire flower overlaid with a sheen of silver; very fragrant. Such a strong vigorous grower that it will produce enormous flowers on one year plants. Medium height, but a very prolific bloomer. One of the most popular and meritorious varieties ever produced; excellent for both landscape work and cut flowers. Early midseason. \$1.50 each.

Pierre Reignoux (Dessert 1908). Semi-rose type; early midseason. An even shade of Tyrian rose, center flecked crimson, with imbricated petals. Dwarf erect habit. \$1.25 each.

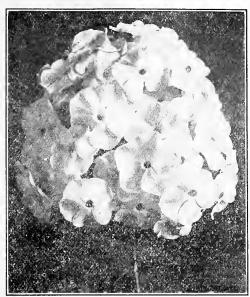
Rachel (Lemoine 1904). A beautifully formed flower of the Rose type. Lively soft pink, darker when opening. A good dwarf habit with strong stems. Very attractive and rare. \$7.50 each.

Reine Hortense (Calot 1857). Midseason. Enormous, compact flat flower of soft flesh color, deepening to shell pink; center showing crimson splashes, sometimes faint stripes on the face of the petals; well formed and very striking; deliciously fragrant. A vigorous grower and profuse bloomer. Rose type. Fine for cut flowers and usually in bloom just about Decoration Day. \$2.00 each.

Sarah Bernhardt (Lemoine 1906). Semi-rose type; late midseason. Very large flower of perfect form, full and double with twisted imbricated petals; color apple-blossom pink with each petal silver tipped. Strong grower, free bloomer and very fragrant. One of the finest and most dependable Paeonies ever produced, attracting attention in every garden. \$2.00 each.

Queen Victoria (Kelway). Bomb type. The old favorite pure white. Free and early bloomer; large well formed flowers of excellent substance. 75c. each.

NOTE-If Paeonies are wanted by Parcel Post, add 10c. per root for postage.



Hardy Phlox, Mrs. Jenkins

MICHELL'S SUPERB HARDY PHLOXES

Bacchante. Tyrian-rose, with a crimson-carmine eye. Baron von Dedem. Deep pink, suffused orange; immense trusses.

B. Comte. Brilliant rich French purple.

Beacon. Brilliant cherry-red; a new variety and one of the best. Eclaireur. Brilliant rose-magenta, with lighter halo.

Elizabeth Campbell. Bright salmon-pink, with lighter shadings and dark red eye. 2 for \$1.00 (by P. P., \$1.15); \$5.00 per doz. (by P. P., \$5.25).

Eugene Danzanvilliers. Delicate lavender; a very attractive and decorative color; immense flowers. The peer of its color. Europa. Blush white, with a large deep pink center; the flower

truss is very large, while the florets are also of gigantic size. Frau Anton Buchner. Very large pure white flower truss, with

gigantic individual florets; very dwarf.

Jules Sandeau. Dwarf; very large flowering; pure pink; extra

fine variety. L'Esperance. Light lavender-pink with white center.

Montagnard. Dark purple claret; large spikes and flowers.

The best pure white.

Mrs. Jenkins. Rheinlander. Deep salmon pink, with a distinct bright red eye. Rheinstrom. A splendid new phlox with gigantic flowers of a bright pink. Quite tall; continues in bloom till frost.

Thor. Deep salmon pink, suffused with scarlet; a white halo

surrounds the aniline red eye.

Von Lassburg. The queen of all clear white phloxes; trusses and

single flowers are immense in size: rather dwarf.

Price of all varieties Hardy Phloxes, except where noted, extra strong roots which will flower the first season. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$16.00.

PHLOX SUFFRUTICOSA

These differ from the others, in that the foliage and stem are

deep green and glossy, and they begin to blossom in June and remain in bloom until October.

Miss Lingard. Pure white, with a lilac eye; very early. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.

PHYSALIS (Chinese Lantern Plant)

Francheti. An ornamental variety of the Winter Cherry, forming dense bushes, about 2 feet high, producing freely its bright orange scarlet lantern-like fruits; highly interesting. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.

PINKS, HARDY GARDEN (Double)

These old-fashioned favorites, bearing their clove-scented flowers during the spring and early summer, are splendid cut blooms. Elsie. Bright rose with maroon center. Essex Witch. Delicate pink, finely fringed.

Homer. Rosy-red with dark center.

White Reserve. An everblooming variety, double pure white. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); \$18.00 per 100.

NEW PERPETUAL FLOWERING HARDY PINKS (Dianthus Allwoodi)

This is a most important addition to worth while perennials. They are perfectly hardy and flower continuously from early Spring until late in the Autumn. The flowers are much larger than the old type of Hardy Pinks and are borne on long stems suitable for cutting; deliciously clove scented.

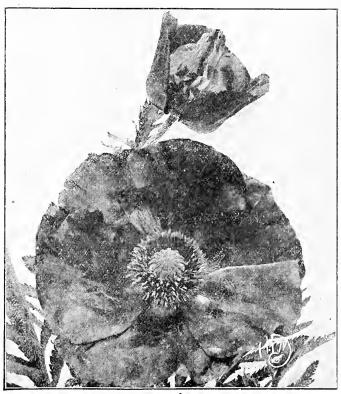
Harold. Large double white, of symmetrical form.

Jean. Pure white with purple center.

Mary. Pale rose-pink with light maroon center.

Robert. Delicate shade of old rose with light maroon center.

3 for \$1.00 (by P. P., \$1.15); \$3.50 per doz. (by P. P., \$3.85); per 100, \$22.00.



Oriental Poppy

ORIENTAL POPPIES (Papaver Orientale)

These are the royal representatives of this popular genus, growing about 3 feet high and far surpassing in magnificence of bloom all the other types. For a display of brilliant coloring nothing equals them during their time of flowering, May and June, whether planted singly or in masses. They are easy of culture, almost any kind of soil suits them, but they do best in a rich deep loam. Plant them in the fall or early spring before May 1st; give them water during dry spells the first season, and mulch with leaves or stable litter in the fall; treated in this way, they will increase in size and consequently freedom of bloom for years to come. After they have finished flowering the plants die back, but appear again in September, or as soon as the weather gets cool; divise this restriction are about the talks when either the second core about the second core about the second core and the second core about the second core about the second core and the second core are second core as the second core during this resting period care should be taken when cultivating the beds that the roots are not disturbed.

Goliath. One of the most effective; flowers of a rich scarlet; the largest flowered of this class.

Mrs. Perry. A soft shade of salmon rose; a beautiful large flower.

This variety should be in every garden. Perry's White. Pure sating white with a bold crimson blotch at

the base of each petal. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30);

per 100, \$18.00.

ICELAND POPPIES (Papaver Nudicaule)

The graceful foliage is surmounted with a mass of stems a foot high, which terminate in a beautiful cup-shaped flower. Blooms the entire summer.

Orange, Yellow, White; each color separate. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.

PHYSOSTEGIA (False Dragon-Head)

One of the most beautiful of our midsummer flowering perennials, forming dense bushes 4 to 6 feet high, bearing spikes of delicate tubular flowers, not unlike a gigantic heather. Virginica. Bright but soft pink.

—Alba. Pure white; very fine.

3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30);

per 100, \$18.00.

PLATYCODON

(Balloon Flower or Japanese Bell Flower)

The Platycodons are closely allied to the Campanulas, and

form neat, branched bushes of upright habit.

Mrs. Ely says of them: "Do best if planted in early spring. They grow from 2 to $2\frac{1}{2}$ feet high, and after the third season each plant will have from ten to twelve stalks covered with the lovely blue or white blossoms for nearly a month, beginning about July 10th. They are also free from attacks of insects, and if planted in good soil and well covered in late autumn with a litter of leaves or stable manure, will be found to be quite hardy. Grandiflorum. Deep blue cupped, star-shaped flowers.

—Album. A white-flowered form of the above.

3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30);

per 100, \$18.00.

PLUMBAGO (Lead-Wort)

Larpentae. One of the most desirable border and rock plants; it is of dwarf, spreading habit, growing 6 to 8 inches high, covered with deep blue flowers during the summer and fall months. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.



Primula Veris

PRIMULA (Hardy Primrose)

One of the first of the early spring flowers. They delight in a rich soil, preferably in a semi-shaded location. Some of the varieties are richly colored, and are worthy of a place in every hardy garden. As a hardy border edging, as well as for rockery planting, it can be highly recommended.

Veris (English Cowslip). A mixture comprising the various shades of red and yellow; a splendid plant for the spring blooming garden. Vulgaris (English Primrose). Beautiful light canary yellow; long

flower stems with large trusses.

3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30);

per 100, \$18.00.

PYRETHRUM HYBRIDUM

A good old-fashioned perennial resembling colored daisies, blooming in June. They will succeed in any good garden soil in a sunny position and do best when left undisturbed for 2 or 3 years, but they should be given an annual top dressing of well rotted manure.

Single Flowering. Mixed colors only, ranging from pure white to dark red. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.

PYRETHRUM (Giant Daisy)

Uliginosum. Grows 3 to 4 feet high and is covered with large white Daisy-like flowers, 3 inches in diameter, from July to September. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.

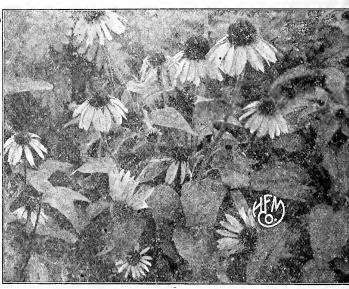
RANUNCULUS (Crowfoot Buttercup)

Acris Fl. Pl. A double flowered form of our common buttercup; 2 feet; May and June.

Repens Fl. Pl. (Bachelor's Buttons). A pretty double flowering, bright golden buttercup, bearing masses of flowers during May

3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30);

per 100, \$18.00.



Rudbeckia, Purpurea

RUDBECKIA (Cone-Flower)

Indispensable plants for the hardy border; grow and thrive anywhere, giving a wealth of bloom, which are well suited for cutting.

Golden Glow. A well-known popular plant; a strong, robust grower, attaining a height of 5 to 6 feet, and produces masses of double golden-yellow, Cactus Dahlia-like flowers from July to September.

Nitida "Autumn Sun." An attractive single-flowering variety, growing 5 to 6 feet high, with long, broad petals of bright primrose-yellow; August to October.

Purpurea (Giant Purple Cone-flower). Flowers about 4 inches across, of a peculiar reddish-purple with a remarkably large coneshaped center of brown; forms bushy plants 3 feet high and blooms from July to October. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30);

per 100, \$18.00.

SALVIA (Meadow-Sage)

Perennials with strikingly beautiful, orchid-like bloom, that make them welcome in the herbaceous border. Leaves are used in medicine and for the kitchen.

Azurea Grandiflora (Rocky Mountain Sage). Sky-blue flowers in greatest profusion during August and September; 6 feet.

Pitcheri. Similar to Azurea but of more branching habit and larger flowers of rich Gentian blue; 3 to 4 feet.

Virgata Nemorosa. An interesting plant for the hardy border; flower spikes bear many-flowered whorls of dark blue blossoms; the unexpanded buds are light violet blue, forming a pleasing color combination. It continues in flower for about six weeks during the early summer months; 18 inches.

3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30);

per 100, \$18.00.

SAXIFRAGA (Megasea)

Very useful plants, growing about 12 inches high, having broad, deep green foliage and thriving in any soil in almost any position. The pretty rose-pink flowers which appear very early in the spring, almost as soon as the frost is out of the ground, make this a valuable addition to the hardy garden. Makes an excellent plant for the front of the hardy border, or in the front of shrubbery. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.

The hardy variety is even more wonderful and of greater beauty than the annual sort, commonly called Mourning Bride. The flowers are gigantic, measuring frequently 3 inches and more in diameter. It delights in a sunny position, and is a cut flower few perennials can equal. It lasts a long while in water; the average height is about 2½ feet. Very free flowering.

Caucasica (Blue Bonnet). A delicate shade of lavender blue,

starting in flower in June and lasting well through the summer. Caucasica Alba. White. Like the above, except the color.

2 for \$1.00 (by P. P., \$1.15); \$5.00 per doz. (by P. P., \$5.30); per 100, \$30.00.



Sedum Spectabile, Brilliant

SEDUM (Stonecrop) **DWARF VARIETIES**

Suitable for the rockery and covering of graves, etc.

Acre (Golden Moss). Much used for covering graves; has green foliage and bright yellow flowers.

Sieboldi. Round succulent glaucous foliage with bright pink flowers during August and September.

Stahli. A species with compact crimson foliage in the Autumn.

ERECT GROWING VARIETIES

Useful and pretty plants for the border, producing their interesting flowers during the late Summer and Fall.

Maximum Atropurpureum. Handsome purple foliage with salmon-pink flowers during August and September; 12 to 18 inches.

Spectabile. A pretty erect growing variety with broad, light green foliage and immense heads of showy rose colored flowers during the Autumn; 18 inches.

-"Brilliant." A rich colored form of the above, being a bright amaranth red.

Prices of any of the above Sedums. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.

SENECIO (Groundsel)

Pulcher. Forms a neat tuft of foliage from which springs up from July to October, a succession of 2 feet high stems, with clusters of brilliant, rosy purple flowers, of good size. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.

SOLIDAGO (Golden Rod)

The Golden Rod in a cultivated form is one of the best hardy garden plants. We have discarded all other varieties except that listed below, as from observation we believe this will fill every want for this plant.

Golden Wings. The finest of the Golden Rods; very showy; 5 feet high, with immense panicles of bright golden yellow flowers from July to September. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.

Note—Please read carefully instructions on page 106 before ordering plants.

SPIRAEA (Goat's Beard, Meadow Sweet)
Elegant border plants with feathery plumes of flowers and neat, attractive foliage; succeed best in a half-shaded location in rich, moist soil.

Filipendula (Dropwort). Numerous corymbs of white flowers on stems 15 inches high, during June and July; pretty fern-like foliage.

Palmata (Crimson Meadow Sweet). One of the most beautiful hardy plants; the deep purple red of the stems and branches passing into the crimson purple of the broad corymbs of flowers, which are produced very freely during June and July. 3 feet. Ulmaria Fl. Pl. (Meadow Sweet). Double white flowers during

July and August; 3 feet. 2 for \$1.00 (by P. P., \$1.15); \$5.00 per doz.; per 100, \$27.50.

STATICE (Sea Lavender)
Very ornamental genus of easy culture, but prefer a rather deep, loose soil. From the delicate nature of the flower panicles, the species are better suited to rockwork and isolated positions, than for mixing in a crowded border. Useful for cut blooms, especially for mixing with other flowers. July-August.

Latifolia (Great Sea Lavender). Handsome plants with heads of

dark blue flowers; invaluable for cutting, the flowers when dried, lasting for months. 1 to 2 feet. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.

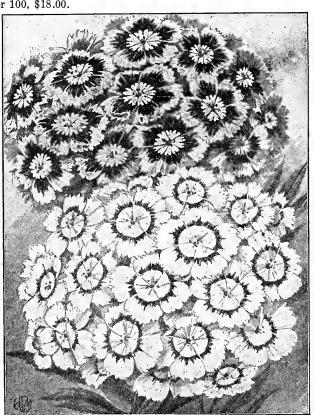
STOKESIA (Cornflower Aster)

The flower has the appearance of combining a giant cornflower and an aster. Plants are 18 inches high and are of spreading habit, blooming from June until frost. Succeeds in most any location.

Cyanea. Very light blue. | Cyanea Alba. Pure white.

3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30);

per 100, \$18.00.



Single Sweet William

SWEET WILLIAM (Dianthus Barbatus)

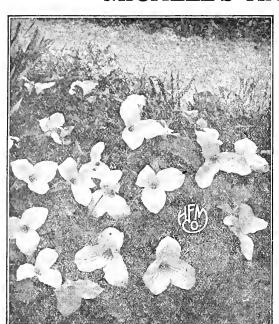
This plant occupies a foremost position, producing, early in spring, quantities of bloom which make a grand effect, for just when they are in flower it is generally too soon for other perennials. For wild garden effect, Sweet Williams occupy first place.

Michell's Prize Mixture. In all colors.

Pink Beauty (Sometimes called Newport Pink). A splendid shade

of salmon with immense flower trusses. When massed it is a striking feature of the perennial garden; an extra fine novelty. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30);

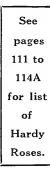
per 100, \$18.00.



THALICTRUM (Meadow Rue)

Very graceful, pretty flowered plants, with finely cut foliage; great favorites for planting in the hardy border; the dwarfer varieties also being effective and useful in the rockery.

Adiantifolium. A beautiful variety, with foliage like the Maiden Hair Fern and miniature white flowers in June and July; 1½ to 2 feet. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.



Trillium

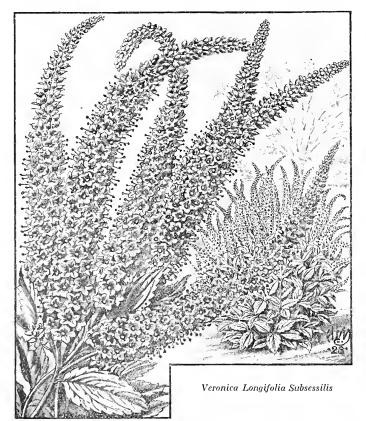
TRILLIUM (Wood Lily, or Wake Robin)

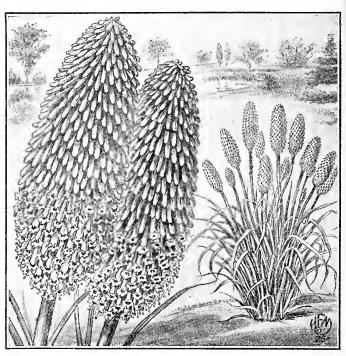
Excellent plants for shady positions in the hardy border, or in a sub-aquatic position, flowering in early spring; 12 to 18 inches. Erectum. Broad foliage with dark purple flowers.

Grandiflorum. The largest white; probably the handsomest. 4 for \$1.00 (by P. P., \$1.15); \$2.50 per doz. (by P. P., \$2.75); per 100, \$15.00.

VALERIANA (Valerian)

Officinalis (Hardy Garden Heliotrope). Produces during June and July showy heads of rose-tinted white flowers, with heliotrope odor, 3 to 4 feet. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.





Tritoma, Pfitzerii

TRITOMA

(Red-hot Poker, Flame Flower or Torch Lily)

Pfitzerii (The Everblooming Flame Flower). The early, free and continuous blooming qualities of this variety have made it one of the great bedding plants, and when we consider that there are few flowering plants which are suitable for massing under our severe climatic conditions, it is little wonder that such an elegant subject should become so popular. Succeeds in any ordinary garden soil, but responds quickly to liberal treatment; hardy if given protection, but the most satisfactory method of wintering is to bury the roots in sand in a cool cellar. In bloom from August to October, with spikes 3 to 4 feet high, and heads of bloom of a rich orange-scarlet, producing a grand effect either planted singly in the border or in masses. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.

VERONICA (Speedwell)

A large and much cultivated group of blue-flowered perennials, great favorites in the hardy garden. The taller forms are very pretty border plants, while the more dwarf spreading forms are well adapted to the rockery. Unexcelled for cutting purposes.

Amethystina. Amethyst-blue flowers on short spikes; one of the best; 2 feet; May to June.

Incana. Bright silvery foliage with spikes of Amethyst-blue flowers during July and August; 12 inches.

Longifolia Subsessilis (Japanese Speedwell). This is destined to create as much furore in the flower world as did the Golden Glow. It is the handsomest blue-flowered plant we know of, growing to a height of two feet and completely studded with its spikes of blue flowers. Its flowers are fine for cutting. It is perfectly hardy and increases in strength and in beauty each succeeding year. It makes the best blue-flowered hardy border plant obtainable; 2 feet; August to October.

Spicata. Long spikes of bright blue flowers during June and July:

18 inches. An excellent border plant. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.

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MICHELL'S HARDY PERENNIAL PLANTS

VINCA

(Periwinkle or Trailing Myrtle)

It is often a perplexing problem to find the plant that will do well in a dense shade; right there is where Vincas of the hardy class should be employed, also in lawn plantings under trees, in woodlands and on spots it is desired to cover where no grass will grow. It is valuable for planting on cemetery lots by reason of its dwarf creeping habit. The foliage is green all winter.

Minor. Green foliage, lavender flowers. Extra strong plants. 4 for \$1.00 (by P. P., \$1.15); \$2.50 per doz. (by P. P., \$2.75); per 100, \$15.00.

Aurea. Identical in habit and value with the Minor type, except that the foliage is green, margined yellow. It is fast becoming very popular by reason of the brilliant show it makes. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.



Single Wallflowers

WALLFLOWERS

The old fragrant favorite; mixed colors, including yellow, brown, etc. 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.

YUCCA (Adam's Needle)

This plant sets off to best advantage if used as individual specimens, either on the lawn or in the shrubbery border. The foliage is of an evergreen nature, is slender and pointed. The tall flower-spikes rise 4 to 5 feet above the plant and are decked with cream-white bell-shaped drooping flowers during July and August. A majestic plant, especially fine for producing tropical effects.

Filamentosa. White, with reflexed flower bells. Extra strong plants. 3 for \$1.00 (by P. P., \$1.15); \$3.50 per doz. (by P. P., \$3.85); per 100, \$22.00.

MICHELL'S COLLECTIONS OF HARDY **PERENNIALS**

We offer customers who are not acquainted with the different sorts the following collections, at greatly reduced prices, all good, strong plants, which once established will, with little care, keep the garden gay with flowers from the time frost leaves the ground until late in the autumn.

These collections are according to our own selections at prices

For Sunny, Shaded or Partially Shady Perennial Border.

Collection No.

- 12 Hardy Perennials in a good assortment for \$2.75 (by P. P., \$3.00). 25 Hardy Perennials in a good assortment for \$5.25 (by P. P., \$5.75). 50 Hardy Perennials in a good assortment for \$8.50. By express collect.
- 100 Hardy Perennials in a good assortment for \$16.00. By express collect.

When ordering give number and collection wanted and state if for sunny or partially shaded position.



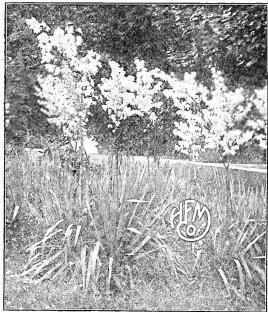
Viola Cornuta

VIOLAS, OR TUFTED PANSIES (Viola Cornuta)

The improved forms of Viola Cornuta are one of the important bedding plants of Europe, and are rapidly growing in favor here. They flower continuously for nearly eight months in the year, and while their flowers are not so large as those of the Pansy, their bright colors and free-flowering qualities make them welcome additions to any garden.

Blue Perfection. Deep purplish-blue. Lutea Splendens. Rich golden yellow. White Perfection.

te Perfection. A fine white. 4 for \$1.00 (by P. P., \$1.15); \$2.50 per doz. (by P. P., \$2.75); \$15.00 per 100.



Yucca Filamentosa

Please Notice When Ordering Plants. It is not necessary to order three plants of a species or variety where 3 for \$1.00 are offered. Customers may select one each of three varieties, etc.

MICHELL'S CLIMBING PLANTS AND VINES

Vines play an important part in the landscape of the home. There are so many purposes they fill that we cannot recommend too highly their general use.

AKEBIA—Quinata. Quick-growing vine; small, fine-lobed, half-evergreen leaves, and purplish brown or chocolate-colored flowers, which have a delicious odor. This plant is highly desirable where a dense shade is not desired. Extra strong plants, 75c. each (by parcel post, 90c.); 6 for \$3.25; 12 for \$6.00.

AMPELOPSIS—Quinquefolia (Virginia Creeper). The large handsome, dark green leaves are deeply cut into five lobes. In the autumn the foliage turns a beautiful rich crimson; especially adapted to covering tree stumps and trunks. Extra strong plants, 75c. each (by parcel post, 90c.); 6 for \$3.25; 12 for \$6.00.

AMPELOPSIS—Veitchii (Boston Ivy). The popular climber for brick and stone buildings and walls. The leaves are a beautiful deep green which in the autumn turn to a coppery red. Strong plants, 60c. each (by parcel post, 90c.); 3 for \$1.50; 12 for \$5.00.

ARISTOLOCHIA—Sipho (Dutchman's Pipe). Handsome light green leaves, giving a quick, dense shade. The brown flowers are shaped like the bowl of a pipe. Large plants, \$1.25 each (by parcel post, \$1.40).

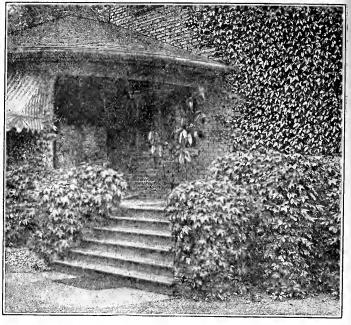
BIGNONIA—Radicans (Trumpet Vine). A strong-growing vine, with rich green foliage and trumpet-shaped flowers; free-flowering; dark red, throat shaded orange. Strong plants, \$1.00 each (by parcel post, \$1.15).

CELASTRUS SCANDENS (Bittersweet or Waxwort). A vine of

CELASTRUS SCANDENS (Bittersweet or Waxwort). A vine of rapid growth. In the early summer it produces yellow flowers, which by autumn have turned to bright, orange-colored fruits, with red markings. Extra strong plants, \$1.00 each (by parcel post. \$1.15).

post, \$1.15).

CLEMATIS. This family of Climbing Plants are probably more popular than any other. Some of the small flowering varieties are exceedingly fragrant. The large flowering types make a glorious effect on account of their gigantic blooms and striking appearance. All Clematis delight in plenty of sunlight, rich soil and plenty of water in dry weather. Great care should be exercised in planting the large-flowering varieties. During the process of transplanting, the stem is likely to get broken below the eye shoots, which would render the plant useless. To guard against this, place a few stakes around the plant to protect it after planting. In the winter put a covering of straw, long manure, or leaves around the roots.



Ampelopsis Veitchii

CLEMATIS—Continued

Coccinea. Produces pretty bell shaped coral-red flowers from early in June until late in Fall. \$1.00 each.

Crispa. This variety bears sweet-scented, lavender flowers. \$1.00 each.

*Henryi. Creamy white; large single flowers, borne in great profusion. Extra strong pot-grown plants, \$1.25 each.

*Jackmanni. Violet-purple; intensely colored, gigantic flower. Extra strong pot-grown plants, \$1.25 each.

*Mad. Edouard Andre. Velvety red. Flowers are well formed and of great substance; the blooms are gigantic. Extra strong pot-grown plants, \$1.25 each.

Paniculata (Japanese Virgin's Bower). A strong, luxuriant grower, with light green foliage. At the close of August innumerable starlike flowers cover the vine in a sheet of fragrant white. Strong plants, 40c. each; 6 for \$1.75; per doz., \$3.50; \$18.00 per 100. Extra strong plants, 75c. each; 6 for \$3.00; per doz., \$5.00; \$35.00 per 100.



Non-Warranty on Clematis

The large flowering types of Clematis those marked * are injured very easily often when being tied up, by animals and otherwise. We ship these plants in perfect order, after which we must respectfully ask our customers to relieve us of any responsibility in the matter of them growing or thriving.

NOTE—Please read carefully instructions on page 106 before ordering plants.

CINNAMON VINE. Free growing climber, with small white flowers deliciously scented; makes a quick, dense shade. These can be mailed. Extra strong roots, 10c. each; per doz., \$1.00; (by P. P., \$1.15); \$7.00 per 100.

COBAEA—Scandens (Annual). A beautiful blue, cup-shaped flowering annual climber; very desirable for lattice covering, etc. Extra strong plants, 4-in. pots, 50c. each (by P. P., 65c.); 6 for \$2.50; per doz. \$4.00

6 for \$2.50; per doz., \$4.00.

EVONYMOUS—Radicans. Self-clinging vine, suitable for covering walls, stumps or rockeries, or wherever a vine of slow

growing habit is desired; green foliage. Extra strong plants. 60c. each (by P. P., 75c.); doz., \$5.00; \$30.00 per 100.

-Variegata. Leaves are variegated; otherwise like the above variety. 50c. each (by P. P., 65c.); doz., \$3.50; \$25.00 per 100.

-Vegeta. This plant is regarded far too little in importance as a strictly A-1 variety for climbing stone walls of buildings or otherwise; it ranks favorably with English Ivy, except that it is evergreen and does not winter kill or shed its foliage. foliage is larger than that of the type Radicans, and the plant produces an orange-colored berry, which remains on the plant the most part of the winter. Evonymous Vegeta should be planted more extensively than it is. Extra heavy plants. 60c. each (by P. P., 75c.); doz., \$5.00; \$30.00 per 100.

HONEYSUCKLE. This favorite requires very little comment or description, always yielding a wealth of fragrant bloom.

— Chinese Evergreen. Yellow and white variegated flowers; very fragrant: blooms the entire season.

very fragrant; blooms the entire season.

- Halliana (Hall's Honeysuckle). Flowers pure white, turning to

yellow; hardy evergreen; flowers from June until frost.

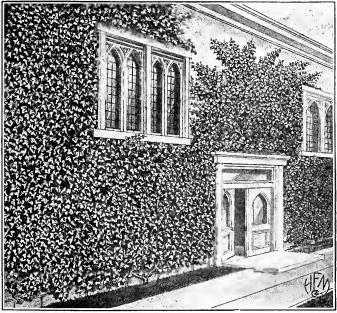
- Red Coral or Scarlet Trumpet. Bright red, trumpet-shaped flowers. Blooms all summer. Extra strong plants. 75c. each (by P. P., 90c.); doz., \$7.50.

Variegated (Aurea Reticulata). Foliage beautifully mottled

yellow and green; flowers white and yellow.

Price of any of the above Honeysuckles (except where noted) 4-in. pot plants, 50c. each (by P. P., 65c.); doz., \$5.00; \$30.00 per 100. 6-in. pot-plants, \$1.00 each (by P. P., \$1.25); doz., \$10.00.

HOP VINE (Japanese). A rapid grower, with dark green foliage, and bearing a profusion of seed-pods, suitable for many domestic purposes. Strong pot-plants, 35c. each (by P. P., 45c.); 3 for \$1.00; doz., \$3.00.



English Ivy

IVY (English). This is an invaluable plant for covering brick and stone walls and buildings. It rarely ever dies out and needs no attention. 4-in. pot-plants, 60c. each (by P. P., 75c.); per doz., \$5.00; \$35.00 per 100. 6-in. pot-plants, \$1.50 each (by P. P., \$1.65); doz., \$15.00. KUDZU (Pueraria). This vine grows a foot a day and makes a dense covering; exceedingly attractive. Towards the end of summer it produces small, rosy-purple flowers. 35c. each (by P. P., 45c.); doz., \$3.25; \$25.00 per 100.

LATHYRUS (Hardy Pea). This is a splendid plant for training on pillow polymer and similar places; it flower during the

on pillars, columns and similar places; it flowers during the greater part of the summer, and is a really splendid cut flower,

lasting well, and very effective.

Latifolius. Rich red. 40c. each (by P. P., 50c.); doz., \$3.25. Pink Beauty. Beautiful rose pink. 40c. each (by P. P., 50c.); doz., \$3.25.

-White Pearl. Pure white, giant flower trusses. 50c. each (by P. P., 60c.); doz., \$5.00.

LYCIUM (Matrimony Vine)—Barbarum. A dense growing climber, somewhat shrubby in nature. In late summer the small purple flowers are followed by a crop of red berries, which remain

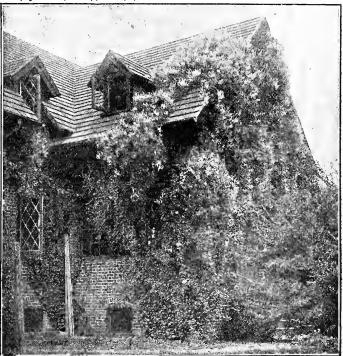
until late winter. Extra heavy plants. \$1.00 each (by P. P., \$1.15).

MADEIRA OR MEXICAN VINE. The tubers if planted deep and protected during the winter are hardy. The leaf is very deep green, and grows very dense; the flower is very small, white in color. Strong roots, 10c. each (single roots, mailed free); per doz., \$1.00 (by P. P., \$1.15); \$7.50 per 100 by express.

MOON VINE—Noctiflora (Annual). A pure white variety, blooming toward evening and in the forenoon; the flowers are

frequently 6 inches in diameter. Extra strong plants, 50c. each

(by P. P., 60c.); doz., \$4.00.



Polygonum Auberti

POLYGONUM

Auberti. For porches, lattice work, fences, pergolas and buildings. A useful vine which is perfectly hardy and free from disease or pests. It is quick growing, a small plant will make twenty-five to thirty feet of growth the first summer; snowy white flowers, borne in long clusters, which turn rose color with age. The foliage is clean looking and apart from its wonderful flower effect will please everyone. It will not cling to the wall, but will ramble over anything that will support it. Extra strong pot-grown plants, \$1.50 each (by P. P., \$1.75).

WISTARIA. This flowers in the latitude of Philadelphia during May. A strong developed vine produces hundreds of flower panicles, while no foliage is visible until after the flower is faded. They thrive best in the sun, and with an application of cow manure once or twice a season they respond marvelously.

Chinensis (Chinese Wistaria). Pale blue; somewhat fragrant. Extra strong plants, \$1.25 each (by P. P., \$1.40).

Chinensis Alba. A beautiful white flowering form of the above. Extra strong plants, \$1.25 each (by P. P., \$1.40).

MICHELL'S HARDY DECORATIVE FLOWERING SHRUBS

A planting of Shrubs massed around the boundaries of a garden forms a harmonious background against which the bright colored Peonies, Poppies, Iris, Phlox and other Hardy Perennial Plants appear to their best advantage.

Because of their easy culture, rapid growth, adaptability to most any situation and their great diversity in size, foliage and bloom, the shrubs are of first importance in creating landscape beauty. There are many suitable locations for planting shrubs about the home grounds. The house foundation and the angles and corners should be softened by shrubs of medium height. Spiraeas, Hydrangeas, Berberis, Deutzias and others of a like nature are suitable for this purpose.

Taller shrubs such as Lilacs, Philadelphus and Altheas are better planted along the sides and rear of the grounds. Here they can be used to give a frame to the property, block out undesirable views and serve as a screen for any purpose desired. Such group plantings should be made in the nature of borders, and the shrubs selected and arranged to give a continuance of bloom, pleasing foliage combinations together with a Fall and Winter coloring of bark and berries.

In planting, space the larger growing shrubs, such as Lilacs from four to five feet apart; medium tall shrubs, such as Spiraea Prunifolia three to four feet apart, and dwarf growing sorts such as Berberis or Deutzia Gracilis, two to two and one-half feet apart. Dig the holes of ample size, place the plant, and after filling in with two-thirds of good top soil, add water to the level of the ground and allow this to settle. After the water has passed away, complete the filling in of the soil.

In pruning, remember that all early flowering shrubs bloom on the last year's wood and should not be pruned until after they have bloomed (otherwise the blooms will be destroyed for that season), at which time the old worn out wood and all weak growths should be cut away, allowing the vigorous young shoots to remain. The late flowering Shrubs, such as Altheas, Hydrangeas, etc., bloom on the wood made this season. These should be pruned early in the Spring, cutting them back severely to induce a vigorous new growth.

SPECIAL NOTICE ON GUARANTEE

We spare no effort to supply decorative shrubs of the best quality in first-class living condition. On account of the many causes beyond our control we regret we cannot guarantee this stock to live and establish itself, as that is usually entirely the state of the within the power of the buyer or planter. If customers desire us to guarantee decorative shrubs to live we will assume such guarantee at an advance of 25 per cent, over and above our usual prices, but not otherwise, and such guarantee will expire within 90 days from date of shipping.

- ALTHEA (Rose of Sharon). These thrive almost anywhere, producing their bloom from July till September.
- -Alba Plena. Pure white; double.
- -Atropurpurea Plena. Double purple.
- -Duchess de Brabant. Double; deep red.
- -Lady Stanley. Semi-double; pale pink, splashed with carmine. Plants, 2 to 3 feet high, \$1.00 each (by P. P., \$1.15), 6 for \$4.00 (by P. P., \$4.25); doz., \$7.50.
- AMYGDALUS—Alba Flore Pleno (Flowering Almond). Erect, slender branches, which are covered in May with small, very double, fragrant white flowers. Strong plants, 2 to 3 feet, \$1.50 each (by P. P., \$1.65).
- Rosea Flore Pleno. Identical with the above, but bearing pink flowers. Strong plants 2 to 3 feet, \$1.50 each (by P. P.,
- BERBERIS—Thunbergii (Japanese Barberry). A good, hardy plant for lawn or border. The slender branches are prickly with small thorns and tend to make a defensive hedge that few animals will attempt to penetrate. In autumn the foliage is a bright crimson; when it falls, a profusion of scarlet berries, which remain throughout the winter, are revealed on the branches.

Height		Doz.	
9–12 inches	.\$1.25	\$2.00	\$10.00
12–18 inches	. 1.50	2.50	12.50
18–24 inches	. 3.00	5.00	30.00
24-30 inches	. 3.50	7.00	40.00

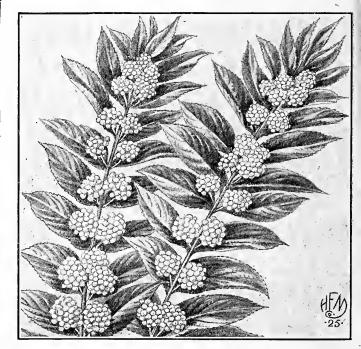
BRIDAL WREATH. See Spirea Prunifolia.

BUTTERFLY BUSH. See Buddleia.

BUDDLEIA—Variabilis Magnifica (Butterfly Bush or Summer Lilac). See color plate opposite.

This is perhaps the most popular of our garden and hardy border shrubs, being almost continually in flower from July until frost. The bush grows to a height of about four feet and produces an abundance of flower spikes, which are made up of myriads of miniature florets of a beautiful lilac shade. The flowers are very fragrant and attract butterflies in great numbers, from which fact the shrub has gained its name. Even a small plant will flower the shrub has gained its name. freely the first season, if planted early.

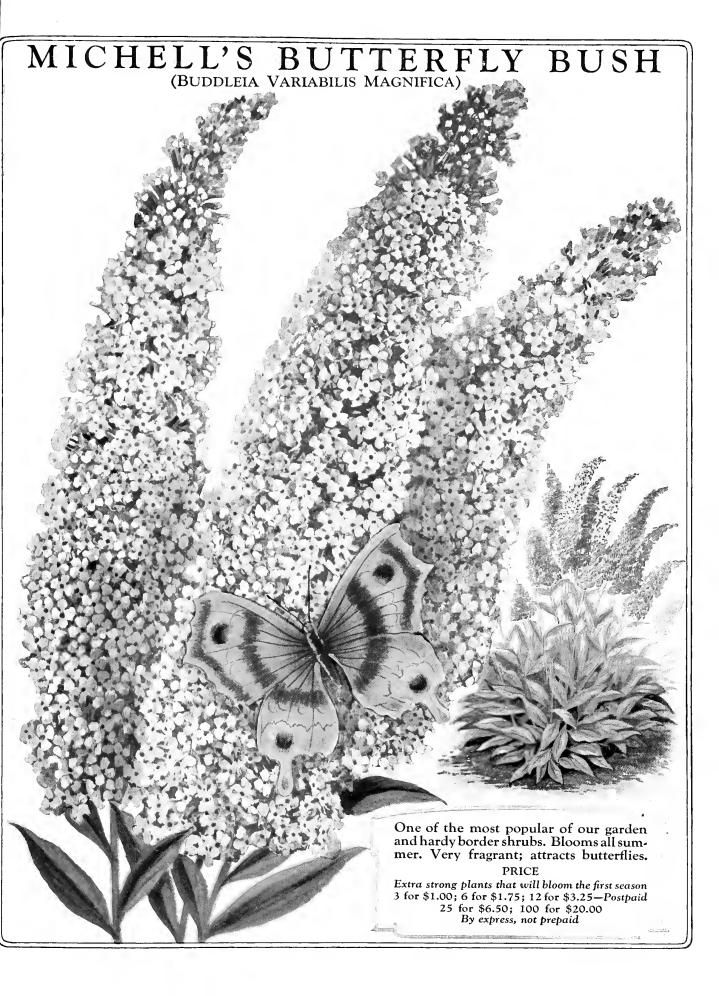
Late in Fall a mound of earth should be drawn up around the base of the plant to a height of 10 or 12 inches as a protection to the eyes at the base of the stem, which will produce the growth the next season. Early in the Spring the mound of earth should be removed and the entire plant should be cut down to within 6 inches of the ground. Extra strong plants that will bloom the first season. 3 for \$1.00; 6 for \$1.75; 12 for \$3.25, postpaid; 25 for \$6.50; \$20.00 per 100, by express not prepaid.



Callicarpa Purpurea

- CALLICARPA PURPUREA (Beauty Fruit). A beautiful shrub growing about 3 feet high, with graceful branches that are covered in August with tiny pink tinted flowers. These are followed in late September by violet purple berries born in clusters from the axil of every leaf; these remain on the plant until the middle of the Winter. \$1.00 each (by P. P., \$1.15).
- CALYCANTHUS—Floridus (Sweet Shrub). Chocolate-colored double flowers, with a peculiar agreeable odor. Blooms in June. 3 to 4 feet, \$1.00 each (by P. P., \$1.15).
- CERCIS-Canadensis (Judas Tree or Red Bud). A tall, slender growing shrub, developing eventually into a large tree. Very early in the spring the leafless branches are covered with delicate deep pink flowers. 4 to 6 feet plants, \$1.50 each.
- CHIONANTHUS-Virginica (White Fringe). In May and June the tree is covered with long, fluffy panicles of fine white bloom. Strong plants, 2 to $2\frac{1}{2}$ feet, \$1.00 each (by P. P., \$1.15).
- CLETHRA-Alnifolia (Sweet Pepper Bush). Of low and dense growth; has numerous spikes of small white fragrant flowers appearing in July; desirable for moist places or along water edges. One of the prettiest of our native shrubs. 2 to 3 feet, \$1.00 each (by P. P., \$1.15).

Shipping Seasons are usually from March 15th to May 1st and from October 15th to November 15th.



MICHELL'S HARDY DECORATIVE FLOWERING SHRUBS 134A

CORNUS (Dogwood). This plant is so well known that it hardly needs description. The flowers appear before the foliage in May. In autumn it takes on a rich crimson shade.

-Florida (White Flowered Dogwood). Strong plants, 4 to 5 ft.,

\$1.75 each (by P. P., \$1.90).

-Rubra (Pink Flowered Dogwood). 3 to 4 ft., \$5.00 each (by P. P., \$5.15).

-Elegantissima (Variegated Dogwood). A beautifully variegated shrub which should be planted more freely. Strong plants, 3 to 4 feet high, \$1.75 each (by P. P., \$1.90).

-Lutea (Golden-twigged Dogwood). Bright yellow branches in Winter. Strong plants, 3 to 4 feet high, \$1.50 each (by P. P., \$1.65). \$1.65).

-Sibirica (Siberian Dogwood). Branches, a bright, coral red which are quite ornamental for Winter effects. Strong plants, 3 to 4 feet high, \$1.00 each (by P. P., \$1.15).

CYTISUS-Laburnum (Golden Chain). A large shrub with shining green leaves and long drooping racemes of yellow flowers, which appear in the early summer. \$2.00 each (by P. P., \$2.15).



Deutzia

DEUTZIA. The Deutzias are among the most useful of our summer flowering shrubs. For planting either individually or in masses they are very attractive.

flowers in June; luxuriant foliage, and fine habit. 3 ft. plants.

-Crenata Rosea Fl. Pl. Double flowering; white tinged pink.

-Gracilis. Of dwarf, bushy habit; white flowers. 18 inches. -Pride of Rochester. The flowers, borne in large panicles, are pinkish white, with under-side of the petals rose. June. Any of above Deutzias, \$1.00 each (by P. P., \$1.15).

Dogwood. See Cornus.

EVONYMUS ALATA (Cork-barked Evonymus). Small delicate flowers in late Spring are followed by attractive red berries in the Fall. Curious corky bark, brilliant Autumnal foliage. Best for individual planting. 18 to 24 inches, \$1.00 each (by P. P., \$1.15).

-Japonica. Beautiful deep green foliage; a splendid evergreen. 12 to 15 inch plants, \$1.00 each (by P. P., \$1.15).

-Argentea Variegata. A variety of the former, the leaves being beautifully variegated with silvery white. 5-inch pot grown

plants, \$1.00 each (by P. P., \$1.15).

-Aurea Variegata. Similar to the above with golden variegated foliage. 5-inch pot grown plants, \$1.00 each (by P. P., \$1.15).

EXOCHORDA GRANDIFLORA (PearlBush). A medium sized shrub, producing white flowers in graceful clusters, early in the Spring; very graceful and fine for cut flowers. Strong plants 18 to 24 inches, \$1.00 each (by P. P., \$1.15).

FLOWERING ALMOND. See Amygdalus.

FLOWERING CRAB. See Malus.

FORSYTHIA (Golden Bells). Bright golden yellow, star-shaped flowers burst into bloom just as winter is leaving and while the bush is otherwise bare.

-Fortunei. Erect growing with dark green foliage; strong plants, 4 ft.

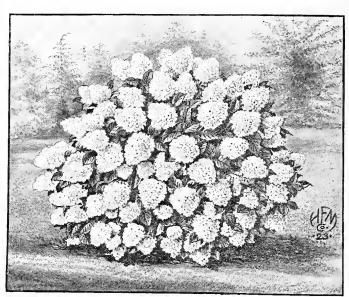
-Intermedia. April. Vigorous grower with slender, erect or arching branches. Considered by many as the best of the family.

-Suspensa. Graceful, drooping tendency. Frequently planted on banks and slopes. Beautiful as specimens or in masses.

-Viridissima. Erect shoots, spreading branches and excellent foliage that assumes a rich Autumnal tint and persists until early Winter.

Price of Forsythias, \$1.00 each (by P. P., \$1.15).

GOLDEN BELLS. See Forsythia. GOLDEN CHAIN. See Cytisus. HONEYSUCKLE. See Lonicera.



Hudrangea Paniculata

HYDRANGEA-Arborescens Grandiflora Alba (Snowball Hydrangea). The snow-white blooms are of the largest size, coming into flower early in June and lasting until late in August. Is more hardy than any other sort and especially suited for shaded places. 2 to 2½ ft., \$1.00 each (b y P. P., \$1.15).

Paniculata Grandiflora. The large panicles of white flowers are at their best during August, later they take on a reddish cast. These plants look fine used as single specimens on the lawn or grouped in large beds. Strong bush form, 2 ft. plants, \$1.00 each (by P. P., \$1.15). Extra strong stock, 3 ft., \$1.50 each (by P.P., \$1.65).

-Paniculata Grandiflora (Standard or Tree Shaped). These are fine, planted as individual specimens in the lawn or in the center of beds, containing other plants. Stems 2 to $2\frac{1}{2}$ feet long, with shapely heads, \$1.75 each (by P. P., \$2.00).

-Quercifolia (Oak-leaved Hydrangea). A handsome spreading shrub with striking foliage, turning in Autumn to a beautiful red. The flowers are produced freely in August, in flat white clusters. Strong plants 18 to 24 inches, \$1.50 each (by P. P., \$1.65).

JAPAN QUINCE. See Pyrus.

Shipping seasons are usually from March 15th to May 1st, and from October 15th to November 15th.

JASMINUM-Nudiflorum. A fine shrub for sheltered positions, bearing fragrant yellow flowers very early in Spring. Hardy south of Philadelphia. \$1.00 each (by parcel post, \$1.15). JUDAS TREE. See Cercis. LILAC. See Syringa.

LILAC. See Syringa.

LONICERA—Fragrantissima (Honeysuckle). March and April.

Delightfully fragrant white flowers that come with the first breath of Spring. \$1.00 each (by parcel post, \$1.15).

Morrowi. An open bush with irregular branches. The foliage is dark green with small white flowers, which appear during the late summer and early autumn the plant is May. During the late summer and early autumn the plant is covered with bright red berries. Plants, 3 feet, \$1.00 each (by parcel post, \$1.15).

Ruprechtiana. A free flowering variety; white flowers during May and June, followed by red fruit. \$1.00 each (by parcel post, \$1.15).
 MOCK ORANGE. See Philadelphus.



Philadelphus (Mock Orange)

PHILADELPHUS—Coronarius (Mock Orange). Handsome foliage and beautiful, fragrant white flowers in May and June. 2 ft.

plants, \$1.00 each (by parcel post, \$1.15).

— Grandiflorus. A robust growing variety, bearing large white flowers. 3 ft. to 4 ft., \$1.00 each (by parcel post, \$1.15).

PYRUS—Japonica (Japan Quince). This shrub is a beautiful sight when covered in the early spring with cherry-red flowers, about the size of an apple blossom. After the flowers fall, many of the post fault which is adiable making the forest Quin, many of them set fruit, which is edible, making the finest Quince jelly or preserves. Extra strong plants, 2 ft., \$1.00 each (by parcel post, \$1.15).

RED BUD. See Cercis.

RHUS-Typhina Laciniata (Dwarf Cut-leaved Sumac). Low growth and fern-like foliage make this variety distinctive. Foliage is colored in the fall months. \$1.00 each (by parcel rollage is colored in the fall months. \$1.00 each (by parcel post, \$1.15).

ROSE OF SHARON. See Althea.

SNOWBALL. See Virburnum.

SPIREA—Anthony Waterer. Of dwarf, dense habit, bearing a profusion of crimson flowers.

— Prunifolia (Bridal Wreath). The pretty double white flowers.

are all along the almost leafless stem about May 1st, just as the leaves are budding. 3 feet.

-Thunbergi. One of the prettiest of the dwarf shrubs, with fine delicate foliage and a profusion of small white flowers in the

early Spring. 12 to 18 inches.
- Van Houttei. The most beautiful of all white Spireas, flowering in May, when it is a complete fountain of white bloom. 3 to 4 feet.

Price of Spireas, \$1.00 each (by parcel post, \$1.15).



SYRINGA (*Lilac*)—Charles X. A strong growing variety, bearing large trusses of reddish purple flowers. \$1.25 each (by parcel post, \$1.40).

- Japonica. A very desirable free flowering tree, bearing during June and July fragrant white flowers in large panicles. \$1.00 each (by parcel post, \$1.15).

- Marie Legraye. A dwarf growing variety, producing immense trusses of beautiful creamy white flowers; one of the most popular single white sorts. \$1.25 each (by parcel post, \$1.40).

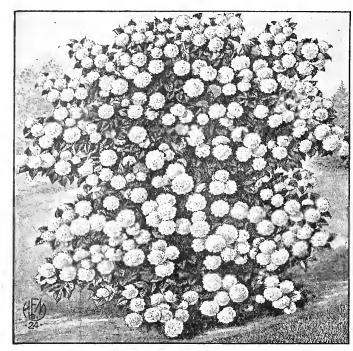
Vulgaris. Common purple, sweet-scented lilac. \$1.00 each (by parcel post, \$1.15).

-Vulgaris Alba. Pure white type of the above, but more fragrant. \$1.00 each (by parcel post, \$1.15).

Shipping Seasons are usually from March 15th to May 1st and from October 15th to November 15th.



Spirea, Van Houttei



Snowball (Viburnum)

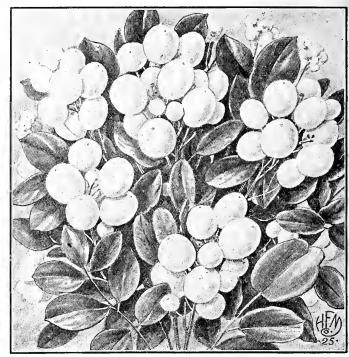
SUMAC. See Rhus.

SWEET PEPPER BUSH. See Clethra.

SWEET SHRUB. See Calycanthus.

- TAMARIX—Africana. Strong, slender, upright growth, with panicles of feathery pink flowers in May. 3 to 4 feet, \$1.00 each (by parcel post, \$1.15).
- —Hispida Aestivalis. A distinct variety, bearing delicate sprays of soft pink flowers in July and August, very light and feathery. 2 ft. to 3 ft., \$1.00 each (by parcel post, \$1.15).
- VIBURNUM OPULUS (High Bush Cranberry). One of the most popular shrubs, bearing clusters of white flowers in June, followed by bright scarlet berries in Autumn, which are very attractive throughout the Winter. Strong plants, 2 ft. to 3 ft., \$1.00 each (by parcel post, \$1.15).
- —Opulus Sterilis (Snowball or Guelder Rose). This is the popular white Snowball, filled with large globes of white flowers in May. Strong plants, 2 ft. to 3 ft., \$1.00 each (by parcel post, \$1.15).
- —Plicatum (Japanese Snowball). A desirable shrub. Should be in every garden or on the lawn; perfectly hardy; blooms in June. Extra fine plants, 2 to 3 feet, \$1.00 each (by parcel post, \$1.15).
- —**Tomentosum.** Distinct from all other varieties of Snowball, both in foliage and flower; the latter are more flat than those of the other varieties and followed by decorative red fruits, changing to black as they ripen. Strong plants, 2 to 3 feet, \$1.00 each (by parcel post, \$1.15).
- VITEX AGNUS CASTUS (Chaste Tree). A shrub or small tree, with strong aromatic odor; dense spikes of pale lilac flowers from July to September. Strong plants, 2 to 3 feet, \$1.00 each (by parcel post, \$1.15).
- WEIGELIA—Candida. Flowers abundantly in June and July; additional bloom is also shown during the autumn months. The tube-shaped flowers are pure white; fine for cutting. Plants, 4 feet, \$1.00 each (by parcel post, \$1.15).
- —Eva Rathke. Of erect form and vigorous habit. The deep carmine-red flowers are the best of the red-flowering sorts; 2 to 3 feet, \$1.00 each (by parcel post, \$1.15).
- —Rosea. Remarkably showy flower; numerous spreading branches and dark green leaves. The rose-colored blooms are produced in great abundance. \$1.00 each (by parcel post, \$1.15).
- —Rosea nana variegata. Silvery variegated leaves and pale pink flowers. \$1.00 each (by parcel post, \$1.15).

WHITE FRINGE. See Chionanthus.



Symphoricarpus (Snowberry)

SYMPHORICARPUS—Racemosus (*Snowberry*). Small red flowers are succeeded by many white berries, remaining on the plant through half the winter. Strong plants, \$1.00 each (by parcel post, \$1.15).

-Vulgaris (Red fruited or Indian Currant). This is a well known

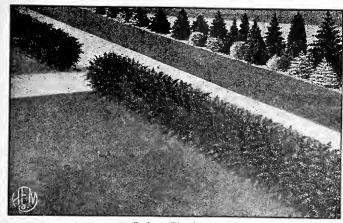
This is a well known shrub, bearing pink flowers followed by bright red fruit. \$1.00 each (by parcel post, \$1.15).

each (by parcel post \$1.15).

Shipping seasons are usually from March 15th to May 1st, and from October 15th to November 15th.

Weigelia

MICHELL'S CHOICE THRIFTY HEDGE PLANTS

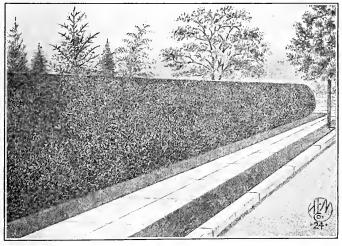


Berberis Thunbergii

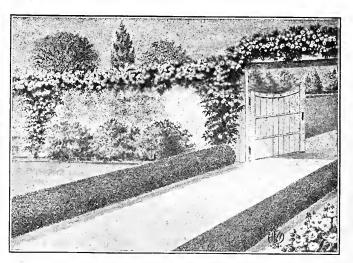
BERBERIS THUNBERGII (Japanese Barberry)

A good hardy plant of low dense growth. There is an air of grace and refinement to the Barberry Bush which is not embodied in any other hedge plant. It is a brilliant light green from early spring to winter, it should be regarded as a shrub as it can be planted individually in lawn or border. The slender branches are prickly, with small thorns, and tend to make a defensive hedge that few animals will attempt to penetrate. In autumn the foliage is a bright crimson; when it falls a profusion of scarlet berries, which remain throughout the winter, are revealed on the branches.

Height	6	12	100
9–12 inches	\$1.25	\$2.00	\$10.00
12–18 inches		2.50	12.50
18–24 inches	3.00		30.00
24-30 inches		7.00	40.00



California Privet
A privet hedge is much more attractive than the best fence



An edging of Boxwood

BOXWOOD, Dwarf, for Edging

We have a quantity of dwarf edging, nice bushy stock, for edging beds and paths. Boxwood grows into value and adds charm to the garden that no other plant can do.

	Diameter	Each	Doz.	100
6 inches high	. 4"-5"	\$0.50	\$5.00	\$37.50
8 inches high	4''-5''	.60	6.00	45.00
10 inches high	. 5"-6"	.75	7.50	60.00
12 inches high	. 5"-6"	1.25	14.00	

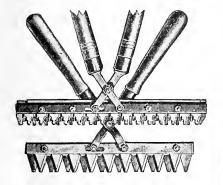
CALIFORNIA PRIVET

Unlike a fence, which needs painting, repainting, etc., and then never looks well, this hedge is no further expense after planted, and it adds dignity and charm to any home, and increases the value of real estate. Being absolutely hardy, it increases in beauty with each successive year. Privet is somewhat of an Evergreen nature and looks attractive until real winter sets in. Plants should be set 12 inches apart in double rows, in zig-zag fashion, so that the plants are diagonally opposite each other; this practically places them 6 inches apart, which is desirable to get a quick, dense growth. Plant from October 15th till the ground freezes, and from March 15th to May 15th.

Height	Doz.	100	1000
1-yr. old, 18 to 24 inches	. \$1.25	\$6.00	\$50.00
2-yr. old, 24 to 30 inches	. 1.50	8.00	70.00
2-yr. old, 30 to 36 inches	. 2.00	10.00	90.00

GOLDEN OR VARIEGATED PRIVET

Like the California variety, but each leaf is margined and blotched golden yellow, giving it, from a distance, a striking appearance. We recommend it especially for placing among shrubbery or for planting on the lawn; the contrast between the grass and golden foliage is beautiful. Bushy Plants, \$1.00 each (by parcel post, \$1.15); doz., \$10.00.

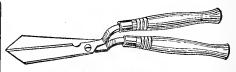


SIMPLICITY HEDGE PRUNER AND TRIMMER

For pruning back old growth and trimming new. Price, \$6.00 (by parcel post, \$6.25). See upper illustration.

SIMPLICITY HEDGE TRIMMER

To be used for fresh new growth only. Works so rapidly and easily that it makes frequent cuttings possible; anyone can operate it. It will trim every variety of hedge grown and to any shape desired. See lower illustration. Price, \$5.00 (by parcel post, \$5.25).



HEDGE SHEARS

No.		Amer.	Eng.	
101A	d/Z men, Daures	. \$1.50	0.	
101A	• *************************************			
101A	• 111011			
	10-inch			
	12-inch			
If	wanted by Parcel Post, a	dd 20c.	each	

for postage.

Bolts and Nuts for hedge shears, 30c.

Handles for Hedge Shears, 85c. per pair.



Evergreens offer a wide variety and brilliant diversity of color, every shade of green and blue foliage; then there are the rich, golden tints, the soft silvery grays and those varieties with the dainty white-tipped leaves.

Evergreens are much desired for specimen lawn trees; they are also extensively used for massing, shelter belts, screens and hedges. The taller varieties form perfect backgrounds for the showy flowering shrubs and trees of early spring, the berries of autumn, the bright bark and twigs of winter, or the light green, golden or silver-blue growth of smaller evergreens.

This list includes the varieties mostly in demand. We can furnish all other sorts.

See Page 139 for Special Notice on Guarantee.

Abies Douglasi (Douglas Fir). The soft dark green to bluish foliage of this tree gives a particularly delightful effect; grows rapidly and makes a beautiful specimen for individual planting, even more commendable than the well-known Norway Spruce. 2 to $2\frac{1}{2}$ feet, \$4.50; 3 to 4 feet, \$7.50.

ARBORVITAE. See Thuya.

CYPRESS. See Retinospora.

HEMLOCK. See Tsuga.

FIR. See Abies.

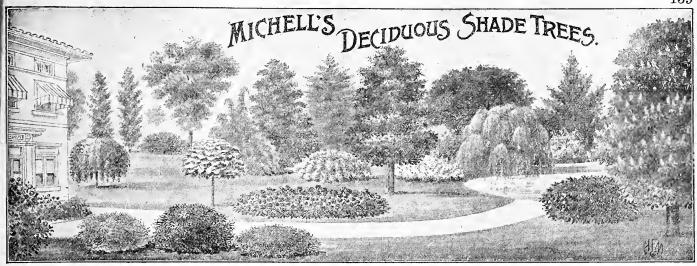
- **JUNIPERUS** (*Juniper*). These possess remarkable vigor and thrive in bleak situations, in poor, stony soils and barren lands, in low and damp places at the seashore, in fact, most anywhere.
- —Excelsa Stricta (Greek Juniper). Close growing, pyramidal form, with gray green foliage. Excellent in the formal garden. 12 to 15 inch, \$2.75; 15 to 18 inch, \$3.50.
- —Hibernica (*Irish Juniper*). Very useful in formal planting, screenings for small yards and cemeteries. 1 to 2 feet, \$2.25; 2 to 3 feet, \$4.50.
- —Pfitzeriana. A beautiful new form, with graceful dark green foliage. One of the most attractive of evergreens. 1½ to 2 feet, \$4.50; 2 to 3 feet, \$6.00.
- PICEA (Spruce). Probably better known and more largely planted than any of the other evergreens; they are hardy, tall and rapid growers; reliable in almost any locality, living for many years. Suitable for planting as specimens, while some varieties are used for hedges and windbreaks.
- Excelsa (Norway Spruce). Rapid grower; does well in most soils. It is highly valued for shelters, windbreaks or hedges. 2 to 3 feet, \$3.00; 3 to 4 feet, \$5.00.
- PINUS (Pine). These will endure a wide range of climatic conditions, being native in the lowlands or the mountains, and will withstand cold, bleak winds. Useful on lawns and on public grounds. They are in variety so that a suitable sort may be selected for almost any purpose.
- —Austriaca (Austrian Pine). Tall, massive, with spreading limbs and long, stiff needles. Thrives along the coast, inland, and under city conditions. Handsome for specimen or open group planting. We offer an especially fine lot of these desirable trees. 2½ to 3 feet, \$5.00; 3 to 4 feet, \$6.50.
- —Mughus (Mugho Pine). A low growing, broad spreading tree, in fact it is more of a large pine bush than a tree, and is very ornamental. 12 to 15 inches, \$3.50; 15 to 18 inches, \$4.50.
- —Sylvestris (Scotch Pine). A rapid grower for planting where quick results are wanted. Does well at the seashore and in other exposed positions. Good for mass planting, screens and windows. 2 to 2½ feet, \$3.00; 2½ to 3 feet, \$4.50.

- RETINOSPORA (Cypress). The many varieties vary considerably in their general appearance and nature of growth; all of them can be clipped occasionally to keep them within growing boundary. The shades of colors are numerous, so that an assortment of them makes a handsome effect.
- —Filifera (Thread Branched Retinospora). Broad and bushy, with pendulous, dark green foliage of a thread-like nature. $1\frac{1}{2}$ to 2 feet, \$4.50; 2 to $2\frac{1}{2}$ feet, \$6.00.
- —Plumosa (Plume-like Cypress). A splendid bushy variety with pyramidal outline, slender, graceful branches and light green leaves. 1½ to 2 feet, \$3.75; 2 to 2½ feet, \$4.50.
- —Plumosa aurea. The most popular and generally useful of all the golden evergreens. Especially ornamental, the soft, plumelike golden foliage being particularly bright in spring. 12 to 18 inches, \$3.00; 2 to 2½ feet, \$5.00; 3 to 4 feet, \$9.00.

SPRUCE. See Picea.

- TAXUS (Yew). These are a small growing evergreen, highly ornamental; effective in groups or bed plantings.
- —Cuspidata (Japanese Yew). One of the hardiest of Yews. Upright, rather open growth, with rich green foliage; can be kept uniform and symmetrical by occasional shearing. 12 to 18 inches, \$3.50; 18 to 24 inches, \$4.00.
- —Cuspidata brevifolia. The branches are spreading and the general aspect is less dense than the common Yew. Perfectly hardy. 10 to 12 inches, \$2.50; 12 to 15 inches, \$3.50.
- THUYA (Arborvitae). These are chiefly of upright habit, not growing overly tall; exceedingly hardy; of a brilliant green all through the bleakest winter; splendid for backgrounds, windbreaks or garden fences.
- —Aurea (Golden Arborvitae). Golden foliage retained well throughout the year. Attractive as a specimen, or to produce color contrasts in groups or beds. 18 inches, \$3.75; 24 inches, \$4.50.
- —Globosa (Globe Arborvitae). Light green foliage of a grayish cast. The neat globular outline adapts this Arborvitae for formal plantings, tub and window box use, as well as in the foreground of Evergreen groups. 12 inches, \$3.00; 15 inches, \$3.50.
- -Occidentalis (American Arborvitae). A well-known, popular evergreen for ornamental hedges; rapid growth. 2 to 3 feet, \$2.25; 3 to 4 feet, \$4.50; 5 to 6 feet, \$7.50.
- -Occidentalis pyramidalis (Pyramidal Arborvitae). The most narrow, columnar-like evergreen; medium growth; very distinct light green, compact foliage. 2 to 3 feet, \$4.50; 3 to 4 feet, \$7.50.
- TSUGA—Canadensis (Hemlock Spruce). A rapid grower; very hardy and not particular as to soil. If trimmed, it becomes dense and bushy, making beautiful hedges. 2 to 3 feet, \$5.00; 3 to 4 feet, \$7.00.

YEW. See Taxus.



This list includes the varieties mostly in demand. We can furnish all other sorts.

Beech, Purple (Fagus sylvatica purpurea). The foliage in spring is a deep purple, changing later to green. Should be closely pruned when transplanted. 3 to 4 feet, \$4.00; 4 to 5 feet, \$5.00.

Birch, European White (Betula Alba). A graceful tree with silvery bark and slender branches; quite erect when young, but after a few years' growth develops a beautiful weeping habit. 3 to 4 feet, \$2.00; 4 to 6 feet, \$3.00; 8 to 10 feet, \$4.50.

Crab, Betchel's Double Flowering (Malus Ioensis Bechtelii). The tree is of medium growth; the flowers are of immense size and of a beautiful pink color; highly fragrant. Very double. 18 to 24 inches, \$1.50; 2½ to 3 feet, \$2.50; 4 to 5 feet, \$4.00.

Crab, Parkman's Flowering (Malus Parkmanii). Rose-colored buds open into little rosy-white flowers; these are succeeded by decorative fruits. The tree is of a rather spreading, irregular nature. 3 to 4 feet, \$3.25.

Dogwood (Cornus). See page 134A.

Elm, American (*Ulmus Americana*). One of the finest street shade trees in the world. 8 to 10 feet, \$2.75; 8 to 10 feet, extra heavy, \$4.00.

Larch, European (*Larix dicidua*). A conifer with deciduous needle-like leaves; bright green very early in spring, and clear yellow in autumn. 4 to 5 feet, \$2.50.

Linden, American (Tilia Americana) (Basswood). The largest-growing Linden. Suitable for parks or streets. When in blossom, its yellow flowers are intensely fragrant. 8 to 10 feet, \$3.25; 10 to 12 feet, \$5.00.

Linden, European (*Tilia vulgaris europaea*). Leaves smaller and darker than those of the American Linden; forms a dense shade. 8 to 10 feet, \$4.00; 10 to 12 feet, \$5.00.

Maple, Norway (Acer platanoides). One of the finest park, street or lawn shade trees in America; of rounded form, compact habit and stout, vigorous growth. 8 to 10 feet, \$4.00; 10 to 12 feet, \$6.50; 12 to 14 feet, \$8.00.

Maple, Schwedler's Purple Leaf (Acer Platanoides Schwedleri). A beautiful variety of purple leaf Norway Maple with long shoots and leaves of bright purple and crimson, which change to purple green as the leaves mature. 8 to 10 feet, \$5.00.

Maple Sugar (Acer saccharum). Its upright habit of growth, dense shade and adaptability to different soils have rendered it one of the most extensively used. The autumn effect of the foliage is particularly handsome. 8 to 10 feet, \$3.50; 10 to 12 feet, \$5.00.

Maple, Silver (Acer dasycarpum). Of rapid growth, extensively planted for ornament and shade. 8 to 10 feet, \$2.75; 10 to 12 feet, \$3.50.

Mountain Ash (Sorbus aucuparia). A handsome native tree; in autumn and early winter it is clothed with large clusters of red berries. 6 to 8 feet, \$2.75.

SPECIAL NOTICE ON GUARANTEE

We spare no effort to supply trees, plants and shrubs of the best quality in first-class living condition. On account of the many causes beyond our control we regret we cannot guarantee this stock to live and establish itself, as that is usually entirely within the power of the buyer or planter. If customers desire us to guarantee plants, trees and shrubs to live we will assume such guarantee at an advance of 25 per cent, over and above our usual prices, but not otherwise, and such guarantee will expire within 90 days from date of shipping.

Mulberry, Tea's Weeping (Morus alba pendula). Forms a perfect umbrella-shaped head, with slender, willowy branches, drooping to the ground. 1 year heads, \$3.75; 2 year heads, \$5.00.

Oak, Pin (Quercus palustris). Foliage deep green and finely divided; the leaves become a shade of scarlet and yellow in autumn. It thrives in almost any soil. 8 to 10 feet, \$4.50.

Oak, Scarlet (Quercus coccinea). A large, well-shaped tree; in the fall the foliage changes to a brilliant scarlet. 6 to 8 feet, \$3.75; 8 to 10 feet, \$5.00.

Plane, Oriental (Platanus orientalis) (Buttonwood) (Sycamore). A favorite tree for avenue and seashore planting; of large spreading habit and rapid growth; not affected by insects. Leaves large, smooth and handsome, affording abundant shade. 8 to 10 feet, \$3.25; 10 to 12 feet, \$5.00; 12 to 14 feet, \$6.00.

Poplar, Carolina (Populus Caroliniana). Good in almost any location. 8 to 10 feet, \$2.75.

Poplar, Lombardy (Populus nigra italica). Its tall form, sometimes reaching 120 feet, makes it indispensable in land-scape effects for breaking monotony of outline. 8 to 10 feet, \$2.75; 10 to 12 feet, \$3.50.

Pussy Willow (Salix Caprea). A quick growing shrub-like tree; the fur-like catkins along the branches in early Spring are very attractive. 3 to 4 feet, \$1.00; 4 to 6 feet, \$1.50; 6 to 8 feet, \$2.00.

Salisburia, Adiantifolia (Maiden Hair Tree). One of the oddest and most peculiar of all hardy exotic trees. Its leaves are deciduous, fan-shaped, broad and notched, resembling those of the Maiden Hair Fern. 8 to 10 feet, \$3.25; 10 to 12 feet, \$4.50.

Tulip Tree (Liriodendron tulipifera). A popular native deciduous tree, sometimes attaining a height of 75 to 100 feet. 6 to 8 feet, \$3.00; 8 to 10 feet, \$5.00.

Umbrella Tree (Catalpa bungei). For the lawn the Catalpa bungei is very effective. Has a dense, perfect, half-globular or umbrella-shaped head, high on a straight upright stem. On terraces when used in connection with the California Privet hedge the effect is most pleasing. 5 to 6 feet stems, 1-year heads, \$3.75; 5 to 6 feet stems, 2-year heads, \$5.00; 6 to 7 feet stems, 4-year heads, \$7.50.

Weeping Willow, Common (Salix babylonica). This is the well-known Weeping Willow, whose long pendulous branches droop so gracefully, and sway to the slightest breeze. Grows well in wet or dry places. 6 to 8 feet, \$2.25; 8 to 10 feet, \$3.25.

Weeping Willow, Thurlow's (Salix Elegantissima). Similar to Babylonica, but more upright. 8 to 10 feet. \$2.50.

HAVE YOUR OWN FRESH PICKED FRUIT

Unquestionably one of the joys of living in the country or suburbs is the fact that one can plant a plot of fruit; the space at command will of course govern what you may have, but in the wide variety there is at least one or more for which space should be made. None bought in the market can compare with those picked fresh by yourself when you want them. Any surplus that cannot be consumed may be put up for winter use.

NOTE-Owing to the peculiar laws of Florida and Mississippi concerning the shipping of nursery stock into those States, we regret WE ARE UNABLE TO ACCEPT ORDERS FOR NURSERY STOCK or SMALL FRUITS FOR SHIPMENT WITHIN THOSE STATES.



Blackberries

BLACKBERRIES (Extra Strong Plants)

Blackberries thrive most anywhere. The plants are subject at times to attacks of rust, particularly during prolonged wet spells in summer. A spraying, especially underneath the foliage, with copper solution, usually arrests this. However, if the disease spreads too much, it is best to dig up the bushes, burn them and plant new ones in another part of the garden. If they are sprayed before being affected it is the best plan.

Eldorado. A very vigorous grower, free from mildew or rust; very productive; fruit large, excellent quality and without core.

Mersereau. Remarkably strong grower. An enormous producer of extra size berries, which are brilliant black, and retain their color under all conditions; very sweet and without core. Unsurpassed as a shipper and keeper.

Ward. An extra strong grower; produces an enormous crop of extra large, glossy black berries, which are rich, sweet, and tender and with no hard core.

Price of Blackberries. 6 for 75c. (by P. P., 85c.); \$1.00 per doz. (by P. P., \$1.25); per 100, \$7.00.

Shipping Seasons for small fruits are usually from March 25th to May 15th and from November till freezing time.

TESTIMONIAL ON MICHELL'S PLANTS

Monticello, Ark.

Thank you for the perfectly satisfactory filling of my orders. I am pleased especially with the general quality of the plants received and the condition in which they arrived. The packing is worthy of congratulations.

L.W.

SPECIAL NOTICE ON GUARANTEE
We spare no effort to supply "small fruit" bushes of the
best quality in first-class living condition. On account of the many causes beyond our control we regret we cannot guarantee this stock to live and establish itself, as that is usually entirely within the power of the buyer or grower. If customers desire us to guarantee these and trees and shrubs to live we will assume such guarantee at an advance of 25 per cent. over and above our usual prices, but not otherwise, and such guarantee will expire within 90 days from date of shipping.

CURRANTS

(Extra Strong Plants)

Currants like good, rich soil. They are particularly susceptible to scale, and steps should be taken to keep them free from this by liberal spraying, when the bushes are dormant.

Red Dutch. An old and wellknown standard variety; clusters average about three inches long; berries medium in size; dark red.

Price. Strong 2-year old, 3 for \$1.00 (by P. P., \$1.15); per doz., \$3.50 (by P. P., \$3.85); \$22.00 per

Baltimore, Md. The currant bushes came to hand and I am very much pleased with them; they are well rooted.

Mrs. E. A. S.

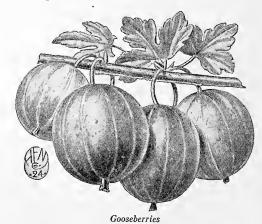


GOOSEBERRIES (Extra Strong Plants)

Gooseberries should be cultivated during the growing season and fertilized with manure in the early spring or late fall. Poultry or Pigeon manure is splendid fertilizer for the plants, and where it cannot be readily obtained we recommend a liberal application of Sheep manure. They will repay you for this trouble with an extra big crop.

Downing. Medium to large; whitish green; flesh soft and juicy. Red Jacket. Berries medium; color, pale red; tender and good. A wonderful cropper, with clean, healthy foliage.

Price. 3 for \$1.00 (by P. P., \$1.15); doz., \$3.00 (by P. P., \$3.25); \$20.00 per 100.



PLEASE NOTE .- Some States forbid the shipment of Gooseberries into their boundary. Before ordering it might be well to ascertain if there is such a law in your state.

GRAPE VINES

A few of these planted in the garden, after several years will yield abundant crops, and they last for years with little attention except pruning and spraying.

Caco. The most delicious of all Grapes—perfectly hardy; has been pronounced by America's most expert grape growers to equal in high quality and melting texture the finest varieties grown under glass. When one considers the price of the greenhouse product and realizes that the wonderful Caco can be grown in the back yard, almost without attention, the force of the above statement is apparent. The large berry is wine-red. Bunch of good size, compact and of good form. Ripens in ten days to two weeks in advance of Concord; rich in sugar, excellent in flavor. Vine very strong, vigorous grower, healthy and prolific. This is a very fine variety and is easily worth the slight advance in price over the older varieties, \$1.00 each (by P. P., \$1.10); doz., \$10.00 (by P. P., \$10.50).

Campbell's Early. A valuable and delicious grape; vine very strong, hardy and

vigorous, with thick healthy foliage; berries large, black, with light purplish bloom; skin thin; few and small seeds; flavor rich and delicious.

Catawba. Delicious flavor; medium size, red berry.

Champagne. A sterling variety of greatest merit. Color a coppery red. Berries very large. Immense producer. Seasons in which other varieties did not fruit, this variety stood out bearing an immense crop. Very strong grower, fifteen to twenty feet or more a season being common. Has never been known to winter kill. \$1.00 each (by P. P., \$1.10); doz., \$10.00 (by P. P., \$10.50).

Concord. The well-known standard purple variety; succeeds wherever grapes will

grow.

Moore's Diamond. A strong healthy grower, hardy and productive; color, white; berries large, flesh tender, juicy, but with little pulp; ripens before Concord.

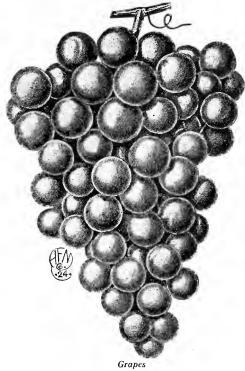
Niagara. An unusually strong grower; bunches very large and compact; berries large, light greenish-white, semi-transparent; has very little pulp and is sweet to the

Prices—Any of the above, excepting Caco and Champagne, 2-year old vines, 60c. each (by P. P., 70c.); 3 for \$1.50 (by P. P., \$1.70); doz., \$5.00 (by P. P., \$5.50).

EVERBEARING RASPBERRY "RED RANERE" or "St. REGIS"

The most popular Raspberry in cultivation, bearing continually from July until well into November. Its main crop is produced in the earlier period, but substantial quantities may be harvested almost every day until sharp frosts appear. The fruit is of good size, luscious in taste and excellent flavor, in fact there is no good quality any of the regular varieties of raspberries possess that is lacking in Ranere; a few dozen bushes will supply the average family with sufficient for table use and a surplus for canning; the color is a brilliant red. Strong plants, 6 for 75c. (by P. P., 85c.); \$1.00 per doz. (by P. P., \$1.25); per 100, \$7.00.





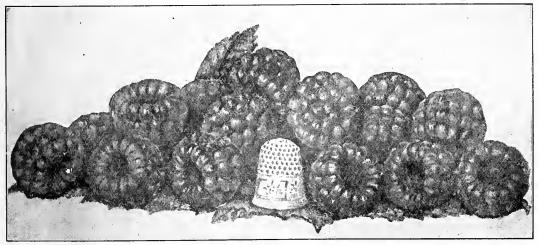
RASPBERRIES

(Extra Strong Plants)

Raspberries should be carefully staked, to get large crops. We also recommend that wellrotted manure or other suitable fertilizer be dug around the bushes, either in the fall or early spring.

Cumberland (Blackcap). The largest raspberry known. Selected specimens measure an inch in diameter.

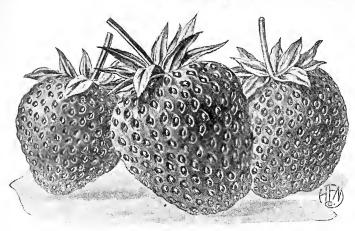
Cuthbert. Berries very large, measuring 3 inches around; conical; rich crimson; an old-time favorite.



Everbearing Raspberry Ranere

Welch. So sweet and rich in flavor, this was at one time offered as "Honey Raspberry." A mid-season variety with berries of extra large size, good, bright crimson color and honey sweetness, melting and luscious. It is not firm enough to ship well a long distance. The canes are vigorous, hardy and productive. Superb for the home garden.

Price, 6 for 75c. (by P. P., 85c.); \$1.00 per doz. (by P. P., \$1.25); per 100, \$7.00.



Premier Strawberry

STRAWBERRY PLANTS

There are two types of Strawberry Plants, one known as "Pot Grown," usually ready for shipping in July and August, and the other known as "Layer Plants," usually shipped in the spring months and the latter is what we are offering here. Layer plants set out in the early spring usually bear a few berries the first season, while the main and succeeding crops come the following season and later. The layer plants should be set out in April, when possible, about 1 foot apart, in rows two feet apart.

EARLY VARIETIES

Early Jersey Giant (Perfect). Pre-eminently the finest of the early varieties. It is brilliant scarlet-crimson in color, and exceptionally firm, by far the firmest of all early sorts. Berries very large, conical with pointed tip; has delightful aroma and

rich, mild strawberry flavor. A very heavy yielder.

Premier (Perfect). This variety has no weak points, it is a vigorous grower, doing well on all types of soil. The plants are enormously productive, commencing early and bearing through a long season. The berries are beautiful in appearance, having a glossy rich red color extending clear through, and a bright green cap; the flavor is delicious. We consider this one of the very best berries in cultivation.

Senator Dunlap (Perfect). This grand Strawberry will please the most critical person. One of the first to yield and continues well into the height of the season. Fruit bright red, glossy and very attractive. It cannot be recommended too highly.

MID-SEASON VARIETIES

Big Joe (Perfect). The merits of this splendid variety are great vigor of plant, splendid root system, exceptional productiveness, large size of fruit, excellent flavor, and length of bearing season. The berries are perfect beauties, of very uniform, conical shape, rich red in color. In size the berries are not surpassed by those of any other variety grown, while the flavor is superior to that of most large fruited sorts.

William Belt (Perfect). Chosen for its popularity because of the many good qualities embodied in this one variety. The plant is vigorous, though not a rampant grower; succeeds on all soils, invariably yields heavily, and continues for a long period; the berries are always of large size and highest quality; deep crimson in color and very firm. Continues to bear until almost the close of the season.

LATE VARIETIES

Gandy's Prize (Perfect). This variety is known to most every berry grower as one of the best late sorts. It is very large, solid and of a beautiful crimson color; especially good for family

Stevens' Late Champion (Perfect). "Very large; fine flavored; bright color; good shipper; heavy yielder; good fruit stem." This berry has averaged 7556 quarts per acre. It has been tested on all kinds of soil and will grow successfully where any strawberry will grow. It will stand a drought better than any other berry ever grown in this section. It has never shown any sign of rust.

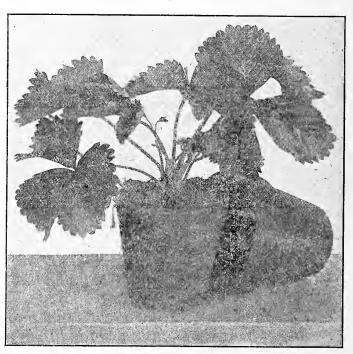
Price of the above Layer Strawberry Plants. 75c. per doz. (by P. P., 85c.); 25 for \$1.00 (by P. P., \$1.15); \$1.50 for 50 (by P. P., \$1.65); 100 for \$2.00 (by P. P., \$2.25); \$17.50 for 1000. We can supply most all other popular varieties though not offered here.

Shipping season usually begins in April and continues until plants are in blossom.

AUTUMN FRUITING OR EVER-BEARING STRAWBERRY PLANTS

Progressive. The berries are medium in size and delicious in quality. You can get fruit a few weeks after the plants are set and they continue to bear until freezing weather.

Price of the Fall Fruiting Varieties, 75c. per doz. (by P. P., 85c.); 25 for \$1.00 (by P. P., \$1.10); \$1.50 for 50 (by P. P., \$1.65); per 100, \$2.75 (by P. P., \$3.00); \$22.50 per 1000.



A Pot Grown Strawberry Plant

POT GROWN STRAWBERRY PLANTS

Ready usually after August 1st. Price will be established later.

BOOKS ON THE CULTURE OF **FRUITS**

(Prices are postpaid)

(1 fleeb are postpara.)
Berry Book (<i>Biggle</i>). 140 pages\$0.55
Fruit Culturist, American (Thomas). 758 pages 3.70
Fruit Garden (Barry). 516 pages 2.45
Grape Culturist (Fuller)
Home Fruit Grower (Kains). Cloth, \$1.65; Paper 1.10
Principles and Practice of Pruning (Kains). 400 pages 2.70
Principles of Fruit Growing (Bailey) 2.70
Pruning Manual (Bailey)
Small Fruit Culturist (Fuller). 298 pages 1.75
Strawberry Culture (Fuller)

MICHELL'S SPECIAL GRADE BONE MEAL

An excellent fertilizer to use when planting strawberries, about a teaspoonful to a plant. 25 lbs., \$1.40; \$2.50 per 50 lbs.; 100 lbs., \$4.00; \$7.50 per 200 lbs.

SPECIAL NOTICE ON GUARANTEE

We spare no effort to supply trees of the best quality in first-class living condition. On account of the many causes beyond our control we regret we cannot guarantee this stock to live and establish itself, as that is usually entirely within the power of the buyer or planter. If customers desire us to guarantee trees to live we will assume such guarantee at an advance of 25 per cent. over and above our usual prices, but not otherwise, and such guarantee will expire within 90 days from date of shipping.

APPLES

Baldwin. Large round, deep red, late variety.
Ben Davis. A late keeper; handsome striped fruit.

Fall Pippin. Large, yellow, rich and delicious. A good bearer when it reaches maturity. Likes a moist, well-drained soil; a good Autumn apple.

Grimes' Golden. Deep golden yellow; fine for Christmas.

Hyslop (Crab). Deep crimson with blase bloom. Red Astrachan. An old popular variety; tart, juicy; flesh tinged with red; very early.

Stayman's Winesap. Fine variety; good keeper; deep red on a yellow ground. Transcendent (Crab). Yellow, striped red; good yielder. Price of Apple Trees: 6 to 8 feet high, \$1.75 each; 6 for \$9.00; \$15.00 per dozen.

APRICOTS

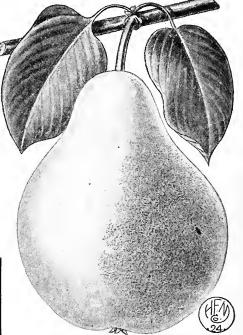
As fresh fruit few varieties equal in lusciousness the apricot; should be planted more generally where there is room for trees.

Alexander. Orange yellow with faint blush; firm, coarse flesh. Catherine. Early; oblong shaped; rich orange with red cheek.

J. L. Budd. Early; light orange, similar to Catherine.

Price of Apricot Trees: \$2.00 each; 6 for \$9.00; \$15.00 doz.

Fruit trees are best shipped by express; they cannot be sent via parcel post and shipment via freight is not safe.



Bartlett Pear

CHERRIES

Black Tartarian (Sweet). Large, purplish black; immense bearer.

Early Richmond (Sour). Dark red, medium size; splendid flavor.

Large Montmorency (Sour). Light red; very productive.

Schmidt's Bigarreau (Sweet). A good late variety. Fruit large; flesh dark red, very firm, sweet, rich and of good quality.

Napoleon (Royal Ann). The best Ann).

and most profitable yellow sweet enerry. Flesh very firm, juicy and delicious.

Price of Cherry Trees: 5 to 7 feet, \$2.00 each; 6 for \$9.00;

\$15.00 per dozen.

PEARS

Bartlett. Yellow, shaded blush; very sweet and juicy; early. Kieffer. A fine variety for late autumn and for canning. Seckel. Small; yellowish brown; very sweet and juicy.
Price of Pear Trees: 5 to 7 feet, \$2.00 each; 6 for \$10.50;

\$17.50 per dozen.

PLUMS

Cherries

Abundance. Amber, turning to a rich, bright cherry color.

Burbank. Orange yellow, overlaid red; rich and sugary.

Imperial Green Gage. Middle of August. A delicious, goodsized free-stone, sweet and juicy. Greenish in color.

Price of Plum Trees: 5 to 6 feet, \$2.00 each; 6 for \$10.50;

\$17.50 per dozen.

QUINCES

Champion. Very prolific bearer; large fruit.

Orange. Round; golden yellow; fine for preserving.

Price of Quince Trees: 4 to 5 feet, \$2.00 each; 6 for \$10.50;

\$17.50 per dozen. NOTE—We can also supply all other varieties of Fruit Trees.

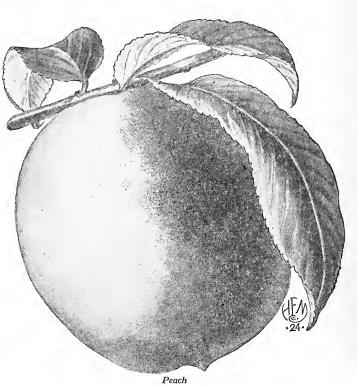
PEACHES

Belle of Georgia. Free-stone; rich creamy white, red cheek.
Carman. Early; pale yellow, red blush; very fine.
Champion. August. A magnificent white peach; extremely rich and juicy; very popular. Should be included in every home orchard. Free-stone.

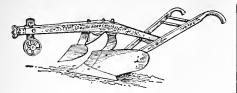
Crawford's Late. Greenish yellow with dull red cheek. Elberta. Mid-season; very large; yellow with red cheek. Fox Seedling. Late September. Skin and flesh white. Free-

stone. Fruit large and of high quality.
Price of Peach Trees: 5 to 6 feet, \$1.25 each; 6 for \$6.00;

\$10.00 per dozen.



MICHELL'S FARM AND GARDEN TOOLS



SOUTH BEND PLOWS

For garden, farm or truckers' work it meets every requirement; made of chilled steel in various sizes to meet all conditions. No. 1B. Wood beam plain, one horse .\$11.75

No. 2F.	Wood beam plain, 1-horse,	
	heavy; or 2-horse, light	14.25
No. 3F.	Wood beam plain, 2-horse	19.00
No 4F	Wood beam plain, heavy,	

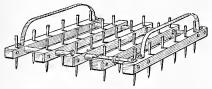
The Nos. 2 and 3 Plows can be equipped with wheel and jointer at the following additional cost: Wheel only, \$2.00; jointer only, \$3.75.

SOUTH BEND PLOW PARTS

	Shares	Mouldboards	Beams
No. 1B	\$0.55	\$2.25	\$2.55
No. 2F	.50	3.25	2.85
No. 3F	.65	4.25	3.20
No. 4F	.70	4.60	3.80
	Complete Handles	Jointer- points	Land- sides
No. 1B	\$2.05		\$0.75
No. 2F	2.25		1.00
No. 3F	2.50	\$0.30	1.25
No. 4F	2.75	.30	1.35

SINGLE AND DOUBLE TREES

DOORLE IKEES	
No.	Price
11 Wood Single Trees, 26-inch, hooks or rings\$	1.40
11 Wood Single Trees, 28-inch, hooks or rings	1.50
2 Wood Double Trees, heavy, 36-inch, hooks or rings	5.00
3 Steel Single Trees, 26-inch, hooks or rings	2.00
1 Steel Double Trees, 34-inch, hooks or rings	6.00
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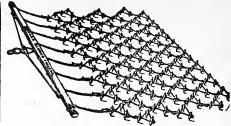
GARDENER'S SPIKE TOOTH HARROW

Though old-fashioned in appearance and construction, this harrow is still preferred by many; fitted with runners, upon which it may be turned to take it from place to place. $24 \text{ teeth} \dots \$12.50 \mid 30 \text{ teeth} \dots \14.00

DISC HARROWS

	DISC MAI	TILO MAS	•
All 2 h	orse.		
Discs	Diameter	Cut	Price
8	16 in.	4 ft.	\$58.00
10	16 in.	5 ft.	63.00
12	16 in.	6 ft.	69.00

Prices include pole; if Fore Truck is wanted in place of pole, add \$13.00 to the above prices.

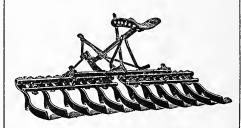


SCOTCH CHAIN HARROW

One of the best implements for pulverizing the surface soil, leveling and smoothing; also splendid for covering grass seed, etc. Used on driveways and race tracks, it smoothes the surface, eliminating ruts and footprints.

No. Size Weight Price

1F.	One-horse size, 5 x 6 ft 126 lbs. \$35.00
2F.	Medium two-horse size,
	6 x 7 ³ / ₄ ft
3F.	Full true horses size 0 v
	11 ft357 lbs. 65.00



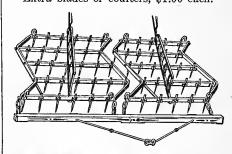
ACME PULVERIZING HARROW

This will be found by those having a large acreage an indispensable implement for pulverizing and crushing the ground.

No.

Price

23. 6 ft. covering area, 2-horse.....\$30.00
G. 3 ft. covering area, 1-horse..... 15.00
Extra blades or coulters, \$1.00 each.



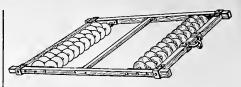
INTERNATIONAL SPIKE TOOTH HARROWS

These are equipped with a lever for lessening or increasing the depth of cultivation and are adjustable instantly. The teeth are equipped so as to readily pass any obstruction in the soil.

Tooth	Sections	Price
25	1	\$15.00
30	1	17.00
50	2	29.00
60	2	34.00

INTERNATIONAL SPRING TOOTH HARROW

Tooth	Sections	Price
15	2	\$38.00
17	2	41.00
9	1	27.00



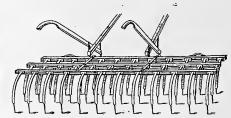
MEEKER DISC HARROW

This harrow leaves the soil a fine seed bed, as good as could be prepared with a rake; the ideal tool or implement for dragging over the garden after it has been harrowed; splendid also for dragging over grass field or lawn, prior to sowing grass seed on sod.

No.									Pri	ce
1.	4 ft	. 6	in.	x 4	ft	46 8	in.	discs.	.\$40.	00
2.	6 ft	. 8	in.	x 6	ft	58 8	in.	discs.	. 44.	00
3.	8 ft	. x	6 f	t	82	8 in.	dis	cs	. 60.	00

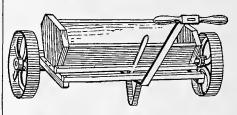
SPECIAL MEEKER HARROW

For use on lawns and golf grounds; equipped with 28-8 in. discs, which cut $1\frac{1}{2}$ in. deep under maximum load or weight. 3 ft. x 6 ft. 8 in. for one horse. Equipped with wheels for transporting from place to place readily. Price upon application.



THE KEYSTONE WEEDER

Surface cultivation stirs the soil, keeps down weeds and prevents evaporation of moisture. This weeder can be adjusted to cover a 7½-ft. stretch. Any of the teeth can be easily removed, if it is desired not to cultivate very finely. Excellent for preparing a piece of ground prior to sowing lawn seed, etc. Equipped for one horse. Price, \$16.00. (Extra teeth, 40c. each.)



STEVENS FERTILIZER DISTRIBUTOR

For distributing bone meal, wood ashes and other commercial fertilizers on fields, lawns, golf courses, etc., also for sanding putting greens. Insures perfect and even distribution, requiring less time than by the broadcast hand process.

Hand Machine. Holds about 2 bu, covering area 3 feet wide. Price, \$22.50.

Horse Machine. For use on large lawns, fields and golf grounds. It is furnished equipped for either one or two horses, as may be desired. 5 foot, 10-inch spreading area, \$70.00; 8 foot, 3-inch spreading area, \$75.00.

MICHELL'S LAWN, GARDEN AND FARM ACCESSORIES



WHEELBARROW GRASS SEEDER

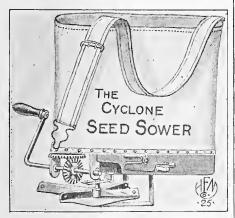
The distributing box is very near the ground, which is an important feature, preventing the seed from blowing away and thus coming up unevenly. No. 9 (especially for Grass Seed), sows a width 14 ft., \$15.00.



BROADCAST SEED SOWERS

For accurately sowing Timothy, Clovers, Millets and heavy seeds of grass and other farm crops. Can be regulated to sow any required quantity per acre.

													Each
Cahoon													\$5.75
Cyclone													3.25



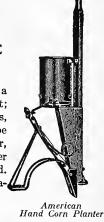
Our Garden Tool and Sundries Department we believe to be the most fully equipped of any seed store in the United States. Most every article of real merit for horticultural work will be found here, and of the best quality.

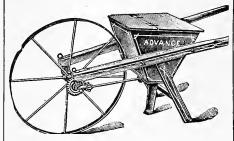
AMERICAN HAND CORN PLANTER

A great seed economizer and labor saver. Price, \$3.50.

INTER-NATIONAL ONE HORSE DISC CORN DRILL

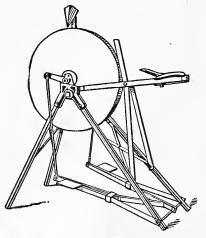
Equipped with a fertilizer attachment; will also plant peas, beans, etc. Can be furnished however. without a fertilizer attachment if desired. Price upon applica-





"ADVANCE" DRILL

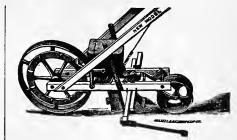
A splendid machine for drilling in fertilizer prior to planting, or between the rows to stimulate growth after the plants are started. A shut-off, to prevent the escape of fertilizer when wheeling around end of row, is a late improvement. First-class for drilling of peas, beans, corn, etc. Price, each, \$16.00.



STERLING MOUNTED GRINDSTONE

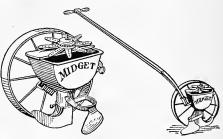
Substantially made; heavy steel frame, with seat and double treadles; fitted with improved ball bearings, of the very best quality, encased so they will keep clean. Stone, 19 to 22 inches diameter, 13/4 to 21/4 inches thick. Weight 100 lbs.

Shipped knocked down, crated. Price, \$12.00.



MODEL SEED DRILL

The depth of sowing can be easily regulated. A typical market gardener's drill, having a large capacity for seeds. Price,



THE MIDGET SEED DRILL

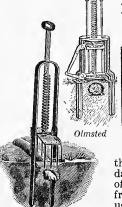
The Midget Seeder will pay for itself in a short time, because it saves seed by sowing accurately. It drills almost any kind of garden seed, including peas and beans. The Midget opens the furrow, sows the seed and covers up, all in one operation. Weight 6 pounds. No. 1. Without handle, \$4.00.



STEEL ROAD SCOOPS

For dragging soil from one place to the other, grading, filling in, etc. No.

No. Capacity Price
1. Ingham, 7 cu. ft. \$12.50
2. Ingham, 5 cu. ft. 11.50



MOLE TRAPS

Complete Booklet on the Habits of the Mole free. or included with each Mole Trap if asked for at time of ordering.

For catching moles that ruin lawns and damage the contents of hotbeds and cold frames. Moles move usually about 5 A.M. and 5 P.M., so that traps should be set

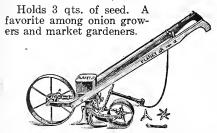
for that period. See illustrations above.

Olmsted (by P. P., \$2.20) \$2.00

Reddick (by P. P., \$1.45) 1.25

PLANET JR. SEEDERS AND WHEEL HOES

Price, \$18.50



The flow of seed is instantly started or stopped by the cut-off rod. Sows in large or small quantities in drills or in hills.

No. 4 PLANET JR. HILL AND DRILL SEEDER, WHEEL HOE, CUL-TIVATOR, AND PLOW Price, \$19.00

Sows all garden seeds, plows, opens furrows and covers them, hoes and cultivates.

No. 4D SEEDER. Price, \$15.00. As above less the cultivating attachments.

No. 25 PLANET JR. COMBINED HILL AND DRILL SEEDER, DOUBLE AND SINGLE WHEEL HOE, **CULTIVATOR** AND PLOW



A splendid combination for the family garden, onion grower or large gardener.

No. 35 PLANET JR. SEEDER **ATTACHMENT**

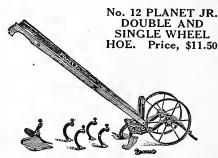


Ever since the wheel hoe has replaced the hand hoe there has been a demand for a small seeder that could be attached to the wheel hoe.

Particularly suited for planting short rows and in small quantities. With one bolt it fastens to any Planet Jr. Wheel Hoe or Garden Plow, except the Fire-Fly, or you can bolt a home-made handle to the bracket on the rear of the hopper and use as a seeder independently of the wheel hoe. Price, \$6.50; with handle, \$7.25.



Straddles crops till 20 inches high, then works between.



No. 13 DOUBLE WHEEL HOE This is like No. 12, except that it is equipped with 1 pair side hoes only. \$8.25.

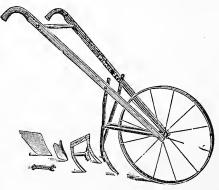


No. 17 PLANET JR. SINGLE WHEEL HOE. Price, \$8.00.
This is the same as No. 16, but without

the rakes and leaf lifter.

No. 17½ SINGLE WHEEL HOE Same as No. 17, except there is no plow. Price, \$7.25.

No. 18 SINGLE WHEEL HOE This is like No. 17, except that it is equipped with 1 pair side hoes only. \$6.00.



No. 119 PLANET JR. GARDEN PLOW AND CULTIVATOR

Equipped with a 24-in. diameter wire wheel, one 11/4 in. cultivator tooth, one 4-in. cultivator tooth, one plow, one reversible scuffle blade. \$5.25.



PLANET JR. JUVENILE CULTIVATOR

When Spring comes the children like to get out and help in the garden. Frequently there are no tools for them to use. But here is a tool that every boy and girl will appreciate because it is made just for them, and will enable them to enjoy, and benefit by garden work. Price, \$4.00.



FIRE-FLY GARDEN PLOW

Useful to owners of small gardens, and to chicken raisers for plowing up scratching yards. Price, \$4.25.



PARTS OF PLANET JR. WHEEL HOES

LANEI JK. WHEEL HOES	
Disc Hoespair	\$3.50
4½-inch Hoes S100-S101 pair	1.20
6 -inch Hoes S100-S101 pair	1.30
7½-inch Hoes S100-S101pair	1.50
9 -inch Hoes S100-S101pair	1.65
Peat Land Hoespair	2.60
3-prong Cultivator Teethpair	2.25
Cultivator Teeth, Regular, No.	
1395, all steeleach	.40
Narrow Cultivator Teeth, No.	
2775, all steeleach	.40
Rakes, Three Toothpair	1.30
Rakes, Five Toothpair	1.70
Plows for Double Wheel Hoespair	1.40
Plows for Single Wheel Hoeseach	1.35
Double Mouldboard Plows	2.40
Handlespair	1.25

. \$0.27

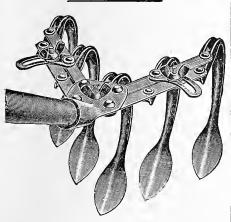
MICHELL'S FARM AND GARDEN TOOLS



IRON AGE No. 11 WHEEL PLOW

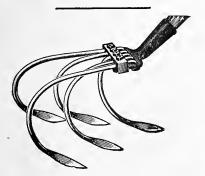
The work of hilling up crops in the garden by the hand hoe method is acknowledged difficult by any one who has tried it. Not only will the Wheel Plow do this work with less effort and more rapidity, but does it much better. Price, \$4.50.





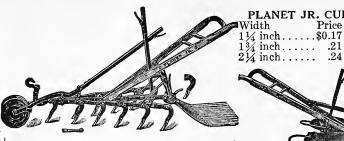
PULL-EASY CULTIVATOR

The teeth are adjustable to various widths; splendid for going between rows of young, growing crops. Can be shipped by express or freight only. No. P. E. 5. Price, \$1.25.



INVINCIBLE CULTIVATOR

This will be found a useful tool for weeding, loosening the soil, preparing seed beds, etc. Price, with long handle, \$1.00.



PLANET JR. 12-TOOTH HARROW CULTIVATOR AND PULVERIZER

With the Twelve-Tooth Harrow, you go as deep or shallow as you like and come up close to row without injuring plants. You widen and narrow as you please, between 12 and 32 inches.

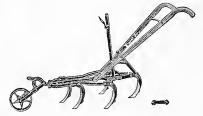
No. 90. Complete with steel lever wheel and

pulverizer, \$19.00.
No. 90B. Without pulverizer, \$15.75.
No. 90D. Without pulverizer or v Without pulverizer or wheel, \$12.75.



The lever wheel and depth regulator enable the operate to increase or lessen the depth of tilling by a mere stroke of the arm. A perfect five-toothed cultivator. Price, \$19.00.

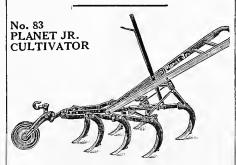
No. 101 PLANET JR. CULTIVATOR



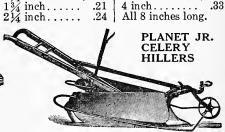
The latest Planet Jr. Plain Cultivator with improved expander.

Price, as cut, \$12.00.

No. 101D. Price without wheel, \$10.25.



Many gardeners like the 7-tooth cultivator, because it prepares the soil better than does the five-tooth machine. Price, complete with steel wheel, \$16.50. No. 83D, without wheel, \$14.25.

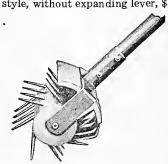


PLANET JR. CULTIVATOR TEETH
Vidth Price | Width Price

3 inch.....

Price

Double, for hilling one side of 2 rows. New style, without expanding lever, \$30.00.



Patent Pending

PORCUPINE CULTIVATOR

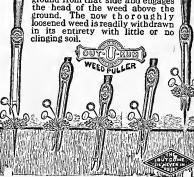
A steel covered roller 7½ inches wide, studded with rows of steel spikes, which enter the soil vertically to a depth of about two inches. As the roller revolves these spikes come up horizontally, bringing a section of the earth crust up against the stationary stripper-fingers, which crush and pulverize the soil thoroughly. Fine for loosening up bare spots in the lawn, working in a top dressing of fertilizer and for a dozen other uses which suggest themselves. Price, \$5.00.

THE "OUT-U-KUM" WEED PULLER

An Entirely New Principle

A slight Push and Pull thoroughly loosens the surrounding soil and removes not only the weed, but the entire root.

When pushed into the ground, the two points guide the BRIDGE down alongside the weed, loosening the soil from that side. It then crosses under the root disengaging the latter. As the tool is withdrawn the BRIDGE slips up the opposite side of the weed, loosening the ground from that side and engages the head of the weed above the ground. The now the oroughly loosened weed is readily withdrawn in its entirety with little or no clinging soil.

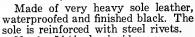


Price of the Out-U-Kum Weed Puller \$1.00 each.

MICHELL'S LAWN, GARDEN AND FARM ACCESSORIES SOD PERFORATOR

LINKS-LAWN BOOTS

(For Horses)



No. 2. $5\frac{1}{2}$ inches inside. No. 4. 6½ inches inside. No. 6. 7 inches inside.

Price, per set of four, \$16.00.

Special Size Horse Boots made



Junior Line-o-graph. A perfect liquid lime tennis court marker especially designed for private courts; works perfectly on grass or clay. F. O. B., Philadelphia, \$52.50; F. O. B., factory, \$50.00.



Junior Line-o-graph Tennis Marker

LAWN AND PUTTING GREEN CLEANER

The flexible rake bars are of wood, with steel springs and teeth; they rotate just like a lawn mower cylinder and clean up every particle of leaves, litter or rubbish, throwing it into a receptacle or bag in the rear, which is of large capacity.

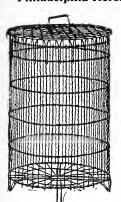
24-in. Rake, or Sweeper, \$30.00.

36-in. Rake only, \$42.50.

Please specify when ordering if wanted for lawn or putting greens.

Sweeping Brushes. Can be readily attached to the Rake for sweeping lawns, putting greens, paths, etc. \$9.00 per set of three, when purchased separately. We can also supply the Philadelphia Horse Lawn Sweeper. Price upon application.

PENNSYLVANIA LAWN CLEANER



RUBBISH CONSUMERS

Made of galvanized wire; an indispensable arrangement for burning rubbish, paper, leaves, etc., without endangering property.

Light Wire Construction	
Diam. High	Price
Letter A—12 x 18 inches	.\$2.00
Letter B—15 x 22 inches	. 2.25
Letter C—18 x 26 inches	. 3.00
Letter D—21 x 31 inches	3.75

Extra Heavy Construction

No.	10.	16	x 22	inches	
				\$12.00	
No.	20,	20	x 30	inches	
				16 50	

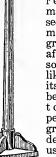
On all large

RUBBISH BASKETS



places, on the lawn or in flower and vegetable gardens, a basket for gathering up rubbish and litter will be found a great convenience, especially when it is suited for the purpose. This basket holds 3 bushels and can

be carried or wheeled on a barrow. Price, with rope handles, \$4.50 each.



For use in loosening soil where grass is worn out, for reseeding; makes a perfect seed bed which means quick growth of grass after the seed is sown. It is used like a tamper, its own weight being sufficient toproperly the " perforate ground; also desirable for



use on putting greens, for renovating. Price, \$6.00.

SOD TAMPERS

When laying sod it is necessary to properly firm it down, so that it will take new root quickly. It is also convenient for firming the soil or lawn on places where a roller cannot be used; made of iron with wood handle; 12 inches square; weight, 20 lbs. Price, \$3.50 each.

BARREL TRUCKS, Etc. =

Sod Tamper

The price below includesbarrelandtruck. The latter is constructed so that the barrel may be detached quickly and the leaf rack attached.



 $2\frac{1}{2}$ -inch tire truck, all iron wheels, with barrel \$22.50 $3\frac{1}{2}$ -inch tire truck, all iron wheels, with barrel 24.00 Extra Barrels, with trunnions, open head 6.50

Wood Leaf Racks

Excellent for gathering leaves, litter, grass, etc. They can be attached to a water barrel truck as shown above. Leaf Rack with 2½-inch tire truck.....\$24.00 Leaf Rack with 31/2-inch tire

truck.....\$25.00 Truck with 3½-inch tire wheels, no rack or barrel....... 17.50

KEYSTONE LEAF RACKS

This device can be used on wheelbarrows with removable sides. Convenient for gathering leaves, cut grass and rubbish. Has a capacity of 10 bushels; made of galvanized wire, bolted to a wooden base. Price, not including wheelbarrow, \$8.00.



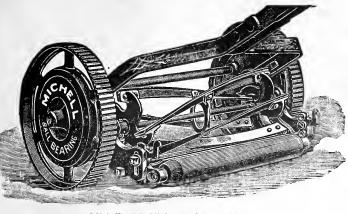
Canal Great American Greenhause



Wheelbarrows

The measurements of barrows are understood, viz.: length, meaning inside length of body; depth, inside depth at front; width, outside width at handles.

	No.		Length In.			Price
Lansing Lawn		$1\frac{3}{4}$	$32\frac{1}{4}$	$20\frac{1}{2}$	$26\frac{1}{4}$	\$19.00
Great American	1	$2\frac{3}{4}$	30 🕺	12	25	10.00
Great American	2	23/4	28	12	24	9.00
Great American	3	23/4			22	8.25
Great American (Boys')				9		6.00
Canal. Side dump (bolted)						. 5.50
Special Greenhouse Style. Narrow body and	hand	le wi	$\mathtt{dth}\ldots$			11.00



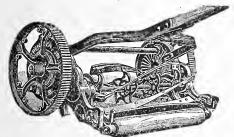
Michell's BB High Wheel Lawn Mower

MICHELL'S HIGH WHEEL BALL-BEARING LAWN MOWER

In answer to the call our trade has for years made upon us for a mower of our own name, we have had designed by the best lawn mower makers in the United States the "Michell" High lawn mower makers in the United States the "Michell" High Wheel Ball-Bearing. Of the best material throughout in every detail, there has been the thought to construct not only a mower that would appeal to the intending purchaser from a standpoint of looks, but to give him more for his money than we might be able to do in other makes. The "Michell Ball-Bearing High Wheel Lawn Mower" is made for us by John Braun & Sons, who are the originators and makers of the "Famous Pennsylvania Quality"

It has a 5 blade cylinder of tool steel blades, each hardened and tempered in oil; it is equipped with internal driving gears on both sides, making it easy to push. The cones and cups in which the balls revolve are hardened tool steel, while the balls them-selves are extra large, of the best quality. The drive wheels are 10 inches high, which ensures easy running; the bottom knife is self-sharpening with raised edge, of crucible steel, that will ensure long service. It can be regulated to cut the grass at a height of from ½ to 1½ inches, by adjustment, while it mows grass with ease that is 6 inches high.

15-inch cut \$19.50 | 19-inch cut \$25.00 17-inch cut 22.50 | 21-inch cut 28.00



Penna. Jr. BB Lawn Mower

PENNA. JR. BALL-BEARING MOWER

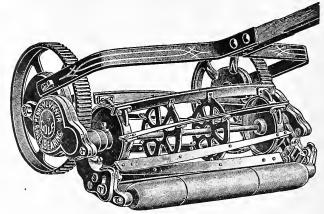
To get the best results from this machine, which does exceptionally fine work, the lawn should be moved at regular intervals. It cuts the grass shorter than the 4-bladed machine, hence requires

We can also supply the Penna. Standard in same sizes and prices as above.

THE CONTINENTAL LAWN MOWER

The regulation style for every-day lawns. The Continental is double geared while the Pennsylvania is single geared. High

wheel, 10½ inch diameter.	
15-inch\$27.00	19-inch\$34.50
17-inch 30.50	21-inch



Penna. H. W. Golf Mower

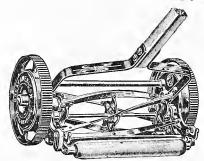
PENNSYLVANIA GOLF LAWN MOWER

For putting greens and close cutting around golf courses. tennis courts, etc.; equipped with an iron roller of small diameter,

PENNA. PUTTING GREENS MOWER Roller Mower Type

For cutting wavy or undulating greens which are very popular on some courses. It is gear driven, with 7-inch iron roller in the rear and a wooden roller in the front, to support the machine. The mower can be set to cut as close as 3-16 inch. Equipped with a 6-blade cylinder, 51/2 inches in diameter. 16-inch cut \$34.00 | 18-inch cut \$38.00

GREAT AMERICAN BALL-BEARING LAWN MOWER



Great American Ball-Bearing Lawn Mower

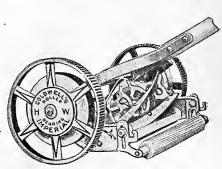
A high class machine at a medium price; it is regarded as the best all-around mower of its type. The perfectly fitting ball cups and cones insure an easy running machine. 10-inch wheels; 5 blade cylinder, 6 inches in diameter.

15-inch cut.....\$19.50 17-inch cut..... 22.50 19-inch cut 25.00 21-inch cut..... 28.00

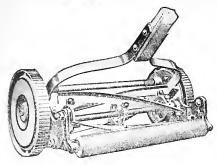
COLDWELL IMPERIAL ROLLER-BEARING HIGH WHEEL LAWN MOWER

The Coldwell line of mowers need no introduction for quality, service and reputation. Easy running, ball-bearing, four-blade cylinder, made to last and do fine work.

14-inch.			\$17.50
16-inch.			
18-inch.			19.50
20-inch.			20.50



150 MICHELL'S HIGH GRADE LAWN MOWERS, ETC.



Jewel Lawn Mower

JEWEL LAWN MOWER

Made by the Coldwell L. M. Co., to meet the demands for a fairly good, low priced mower, where the size of the lawn does not justify a heavy outlay. High wheel, 4-blade cylinder.

12-inch 14-inch 16-inch	,											.\$9.00	ļ
14-inch												. 9.50	1
16-inch												.10.00	

DELTA LAWN MOWER

Ball	Bearing,	4-blade	cylinder,	8-inch
diamete	er, Penna.	make.		
12-inch		. .		.\$11.00
16-inch				. 12.00
10 inch				12.50



Easy Emptying Grass Catcher

GRASS CATCHERS

Despite what is said to the contrary if you want a good looking lawn you should not allow the cut grass to remain upon it; there are two ways of accomplishing this, one is to rake it off "costly and tedious," the other is with the use of a grass catcher "simple and practical." The weight of the catcher loaded with grass is thrown on the machine proper so that it really adds very little to the labor involved in mowing.

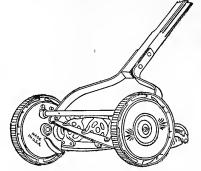
Easy Emptying. Short iron handle; round back; galvanized sheet steel bottom; heavy duck sides. For mowers No. G10, 12 to 18 inch, \$1.65 each (by P. P., \$1.85); No. G12, for mowers, 16 to 22 inch, \$1.85 each (by P. P., \$2.10).

Braun Make. Galvanized bottom, canvas back and sides. Will fit any of the Pennsylvania line of hand mowers.

Syrvama	i nne or nan	u mowers.	
12-inch.	\$3.00	17-inch	\$3.75
14-inch	3.25	18-inch	3.75
15-inch	3.50	19-inch	4.00
16-inch	3.50	21-inch	4.25
		,	

Catchers for Penna. Golf and Putting Greens mowers, all sizes, 14 to 21-inch, \$8.00 each.

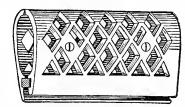
Catchers for Penna. Horse and Pony mowers. 25-inch for Pony mower, \$5.50; 30-inch, \$30.00; 38-inch, \$38.00.



Coldwell Gem Mower and Trimmer

COLDWELL GEM MOWER AND TRIMMER

For terraces and steep embankments, where it is hard to use a regular lawn mower, or for small plots this machine will suit very well; made of first-class material; cuts a swath 10 inches wide; ideal for a small child. Price, \$9.00.

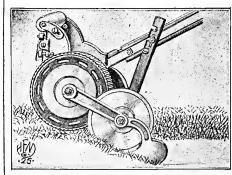


LOGAN LAWN MOWER SHARPENER

Can be adjusted for any thickness of blade and when properly set will give a uniform bevel, the sharpener following the twist of the knife. It will also sharpen the under blade or dead knife. Price, 75c. each (by P. P., 85c.). Extra files, 15c. each (by P. P., 20c.).

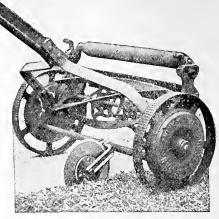
IMPROVED CLEAN CUT LAWN MOWER BLADE

An attachment which can be fastened to any hand machine that will leave an even, smooth cut turf. Price, for any size machine, \$1.65 (by P. P., \$1.75).



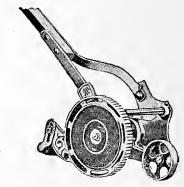
CAPITOL LAWN TRIMMER AND EDGER

This is the original lawn trimmer and edging device. The steel disc can be adjusted in a few seconds to convert it into a first-class edging device, while for trimming along borders and walks as well as against buildings, fences, etc., it will prove to be an excellent tool; it cuts a swath 6 inches wide, and its purchase will be a lasting satisfaction. Price, \$11.00.



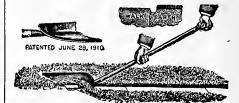
ALLEN McWHORTER EDGER

An attachment for the Lawn Mower; sidewalks are quickly and easily trimmed with this simple, practical device. Easy to attach to any mower made by the Penna. L. M. Co.—see illustration. The weight of mower forces the EDGER to depth required and the mower wheels keep it in position. Turn the mower upside down and walk along as easily as when mowing. Easily detached if desired, can be adjusted in any position. Price, \$1.50 (by P. P., \$1.75).



COLDWELL LAWN TRIMMER

A practical machine for trimming along the edges of walks, drives, flower beds and borders; equipped with one large drive wheel and one small guide wheel; 8-in. cut. Price, \$10.50.



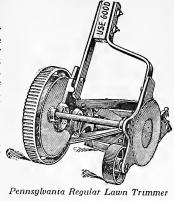
No. 136, IMPERIAL LAWN EDGE TRIMMER

With this tool the rough straggling, overhanging grass along the edges of the walk can be trimmed in a few minutes. It plows a clean U-shaped trench, delivering the cutting on the sidewalk. The edges along the curbing and walk of an eighty foot lot can be trimmed in twenty minutes, leaving the whole surroundings neat and attractive. Price, \$1.50 (by P. P., \$1.75).

MICHELL'S RELIABLE LAWN TOOLS, ETC.

PENNSYLVANIA LAWN TRIMMER

Made to meet the demand for a serviceable tool to take the place of grass shears and other devices for cutting the grass left at the edge of lawns or borders after mowing. This machine will cut to within 3% of an inch of a wall or tree trunk, and mow any grass border wide enough to run one wheel on. The blades are of best crucible steel; it is ball bearing and self sharpening; built for long years of service, and so light a child can use it successfully; cuts a swath 5½ inches wide; equipped with an 8-inch drive wheel and a four blade cylinder. Price, \$10.50.



PENNSYLVANIA UNDERCUT LAWN TRIMMER

The unique construction of the undercut trimmer permits cutting not only close to a wall, fence, tree, etc., but it will get the grass under a fence or rock cut base of tomb stones, house foundations and other places hitherto out of reach of anything but hand shears. The slanting side plate and conical cylinder make it possible to cut all grass which the regular lawn mower will not reach. Ball bearing, with $9\frac{1}{2}$ in. drive wheel; four blade cylinder. Price \$12.00.

Pennsylvania Undercut Lawn Trimmer

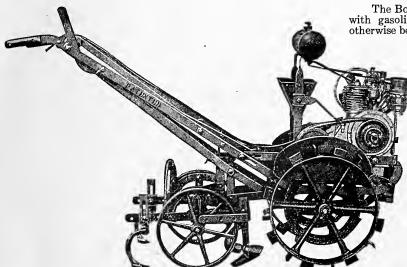
COLDWELL MOTOR MOWERS

Capable of propelling up grades as steep as 25 per cent. Model M. can be equipped with Coldwell's patented demountable cutting units. This device is an extra cutter part, composed of the revolving and stationary knives and the necessary parts to carry them.

Model M.	40-inch cutting area.	F.o.b. Newburgh, N.Y\$	1500.00
Model G.	35-inch cutting area.	F.o.b. Newburgh, N.Y	450.00
Model H.	30-inch cutting area.	F.o.b. Newburgh, N.Y	400.00
Model L.	25-inch cutting area.	F.o.b. Newburgh, N.Y	325.00

COLDWELL HORSE MOWERS

30-in., seat and shafts. \$110.00 | 35-in. seat and shafts. \$120.00 All 4-blade cylinders; 6-blade cylinders, \$15.00 extra.



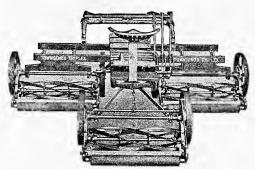


PLANET JR. No. 2, GRASS EDGER

A simple steel disc device, with a flange that runs on the cement path, to cut away the grass which hangs over the edge of the walk; this revolving disc operates very easily and does not cut away any of the soil which some people object to; can be used successfully on straight or curved cement paths. Price, \$1.80.

PENNSYLVANIA TRIO LAWN MOWER

Cuts a swath of 86 inches. So constructed that it does not raise off the ground when the horse starts. The gears are housed in a dust-proof case which is packed with grease, causing them to run noiselessly and free. The cylinder is 7 inches in diameter, equipped with 4 extra wide crucible steel knives hardened and tempered in oil. The wheels are 18 inches in diameter, with a $2\frac{1}{2}$ -inch head, giving ample traction surface, and are fitted with annular ball bearings, making it an easy machine on the horses. Weight, 860 lbs. Price, f. o. b. Philadelphia, \$450.00. Extra units, \$112.50 each.



Townsend Triplex Mower

TOWNSEND TRIPLEX HORSE LAWN MOWER

This mower can very easily be operated by one horse and a driver; the sections can also be taken apart, so that even a single mower may be used; cuts a swath 86 inches wide; equipped with 5-blade cylinders.

Price, f. o. b. Bloomfield, N. J., \$375.00 complete. Extra Cutting Units complete, price, \$100.00.

BOLENS POWER HOE

The Bolens Power Hoe is a radical innovation, designed to do with gasoline power the seeding and cultivating which must otherwise be done with hand or push implements. This machine is

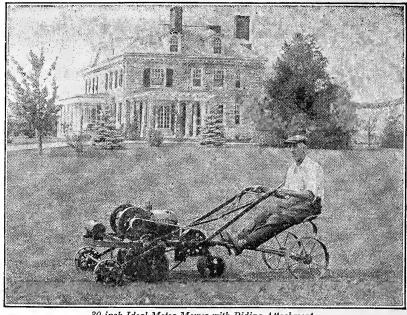
gast the experimental stage, its practicability is demonstrated by the many hundreds using the Bolens for intensive cultivation who are recommending it to their friends. The important features of the Bolens are: a patented arch axle which permits the tractor to travel astride the row, passing over plants 14 to 20 inches high and work in rows 12 inches apart or wider—a tool control whereby one can guide it along winding rows, and do the most accurate weeding and mulching. The patented differential drive enables the operator to turn "about face" without dragging either wheel, while the offset handles permit the operator to walk between rows, while the tractor travels astride.

You will note the broad gauge wheels on the frame to accurately regulate the depth of cultivation and that attachments are snap hitched, which makes the unit instantly interchangeable ready for work at a

moments notice without even using a wrench.
Equipped with a 1½ H. P. engine of proven merit and weighs but 200 lbs. complete. Price upon application.

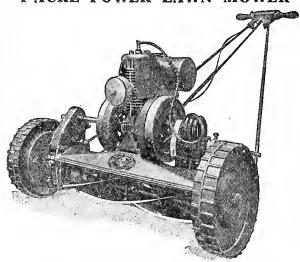
IDEAL MOTOR LAWN MOWER

The motor driven lawn mower is rapidly displacing the horse drawn machine on many large estates. Its advantages are readily obvious, chief among which are that when it is not working it costs nothing beyond the interest in the investment. A horse requires care and attention and must be fed every day of the year; a motor mower will cut about four times as much grass with the same size mower as will the horse machine: it leaves no hoof tracks, and keeps the lawn well rolled at the same time as cutting. The Ideal Motor Lawn Mower is equipped with the best and very latest devices, which render it almost fool proof. It comes in three sizes and may be purchased with or without a riding attachment. The company manufacturing these is very strong in every respect and from our own selling experience covering a period of five years, we have not had one dissatisfied customer. We shall be pleased to send complete detailed literature. Prices f. o. b. Philadelphia, 22-in. cut, \$260.00 (without riding attachment); 30-in. cut, \$375.00 (without riding attachment); 84-in. cut, Triplex style, \$1300.00. Riding attachment for 30-inch machine only, \$20.00 extra.



30-inch Ideal Motor Mower with Riding Attachment

4-ACRE POWER LAWN MOWER



4-Acre Power Lawn Mower

SOME OF THE OUTSTANDING FEATURES OF THE 4-ACRE POWER LAWN MOWER

The 4-Acre Power Lawn Mower operates on a 30-degree in--does beautiful terrace work.

Has standard automobile type differential that equalizes traction on both wheels at all times and makes it steer easily in close corners, about flower beds, bushes, trees. In cemetery work this is very valuable in mowing about the graves.

The knives are sharpened by the mower's own power without removing cutting reel.

Reel and wheels are both power driven. There is no pushing or dragging necessary.

Reel and wheels are controlled separately, so that the reel may be stopped when going over paths and roadways or traveling to and from the place where work is done.

The sturdy motor is specially designed for strenuous lawn mower work.

A proven product—years of successful performance to its credit.

Simple in construction. Mechanical skill not necessary to operate it.

Travels up grades or through tough spots of grass unfaltering-Mows where no other walking power mower will.

It is the smallest, most compact and simple mower on the market today, weighing only 200 pounds, and occupying only a space of 18 x 35 inches when not in use. It cuts a swath of grass 24 inches wide, and travels by its own power at the rate of 3 to 3½ miles per hour, which gives it a cutting capacity of fully four acres per day at a fuel cost of less than 40 cents, and doing the work of 4 to 5 men.

Low first cost, low operating expense and big cutting capacity are the distinguishing features of the 4-Acre Power Lawn Mowers. Performance is the sole standard by which a lawn mower can accurately be judged. This 4-Acre Mower stands pre-eminent among power mowers and renders exceptional performance under all conditions which a power lawn mower can be expected to work.

To operate the machine, a few turns of the starting crank starts the engine and the upward and downward movement of the clutch handle at steering handle starts or stops the traction of the mower, and by turning the Reel Clutch Handle located on the left side of the machine, the rotation of the reel also starts or stops. A miniature differential enclosed in one wheel makes the steering as easy as that of an automobile. The motor is so well muffled that it can scarcely be heard at a very short distance and with enclosed drive gears running in a constant oil bath the machine is practically noiseless in operation.

Power is transmitted from the engine to the traction wheels and cutting reel through two "cone type" clutches, working independently of each other. Traction can be obtained without revolving cutting reel, thus making it possible to cross graveled drives, sidewalks, etc., without danger of obstruction injuring knives. In case any sticks or stones become caught in the cutter blades while machine is in operation the reel clutch will slip leaving the knives uninjured.

GENERAL SPECIFICATIONS

No. 1. 1 H. P. Motor, 2 cycle, 3 port 2½ inch bore, 2½ inch stroke, 1000 R. P. M. at 31/2 m. p. h.; consumes about 1 gal. gasoline per day; cuts 24 in. wide; capacity 4 to 5 acres per day; net weight 200 lbs., crated 250 lbs. Price f. o. b. Racine, Wis., with Grass Catcher \$265.00. (Price f. o. b. Phila., freight shipment \$270.00.)

No. 2. 34 H. P., 4 cycle air cooled motor; 19 inch cut; 5 blade; weight 170 lbs. (Shipping weight 200 lbs.)

Price \$175.00 with grass catcher, f. o. b., Racine, Wis.; \$180.00 f. o. b. Phila.

MICHELL'S LAWN AND GARDEN ACCESSORIES

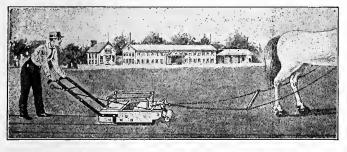


PENNSYLVANIA HORSE LAWN MOWERS

For many years regarded as the best made and they are still without a superior. The bottom and cylinder blades are made of the best crucible steel, tempered in oil. They are of easy draught and will be found more generally used than any other make of horse drawn lawn mowers. The Standard machine is adapted to hilly, rolling lawns, while the Grand style being heavier in construction and weight is the ideal machine for level lawns and grounds; its use serves as a lawn roller as well as a mower. Where there are few trees and little shrubbery a mower equipped with seat and shafts will be found desirable as a man will accomplish more if he can ride rather than walk.

Pennsylvania Standard or Regular Style	1-blade
cy	ylinder
25-in. Pony, with wooden rear roller (draw bale only)	\$60.00
30-in., with draw bale only	115.00
30-in., with seat and shafts	140.00
38-in., with draw bale only	150.00
38-in., with seat and shafts	175.00
Pennsylvania Grand Horse Mower (See gut above	(۵

30-inch cut, with draw bale	
30-inch cut, with seat and shafts	155.00
38-inch cut, with draw bale	165.00
38-inch cut, with seat and shafts	190.00
	200.00



CHAMPION SOD CUTTER

One man and a horse with this machine can cut more and better sod in one hour than 10 men can cut in a day with other methods. Has a Reversible Knife. The sides and bottom are made of one piece of steel, so that there are no openings that can get choked. A roller just over the knife regulates the thickness of the sod from 1 to 2 inches. The back roller works automatically. By holding up the handles and lever, the roller swings under the machine and takes the weight until you are ready to cut again; in cutting, the two rollers take the weight, thus preventing any friction or injury to the grass; the clearer and guide shoes are reversible and can be changed in a moment; the back is left open so that the knife can be cleaned without turning over the machine. Cut the first strip of sod without guide or clearer; then remove the strip about 1 inch to allow guide to run in. Put guide always in front and cleater behind knife where the loose bolts are. Place the guide and clearer always on opposite sides. See that the knife is kept clean; if the sod is very dry, put extra weights on to 200 lbs. For quick work it is not necessary to use guide and clearer; for good work cut and roll the ground well. This is the only sod cutter that will cut both ways; a whole field may be cut without removing any sod. Price, \$52.50. Extra knives for above \$10.00 (by P. P., \$10.50).

EMERY

For sharpening Lawn Mowers. Price, 20c. per lb. (by mail, 30c.); 10 lbs., \$1.80 (by mail, \$2.15).



SCYTHES Little Giant, 32inch.....\$2.00 Little Giant, 34inch..... 2.00 Little Giant, 36inch...... 2.00 Little Giant Brush or Briar..... 2.10

The Little Giant is the best American-made scythe for field and heavy grass work. English, 32-in., rivet back.....\$2.75 English, 34-in., rivet back. 3.00

The English Scythes are best for fine grass or lawn work. If scythes are wanted by parcel post, add 25c. for postage.



SCYTHE HANDLES

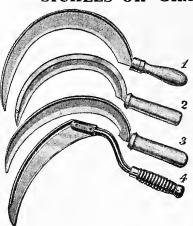
No. 50. Made of hard wood, well finished.
Regular Scythe style (Not mailable)
Snath Clips (by P. P., 30c.)



SCYTHE STONES Each Doz. Talacre Style \$0.35 \$3.50

If Scythe Stones are wanted by parcel post, add 10c. for postage.

SICKLES OR GRASS HOOKS



Key to illustration: No. 1, Dutch or German; No. 2, Rivet back; No. 3, Solid back; No. 4. Little Giant.

English Rivet Back, No. 2.....\$1.15 English Rivet Back, No. 3..... 1.25 English Solid Back, No. 2..... 1.00 Little Giant..... Dutch or German, If wanted by parcel post, add 15c. each for

FLAT FILES

postage.

For sharpening lawn mowers. By P.P. Each

8-inch.....\$0.35 \$0.40 .45 12-inch..... .55 .60

SPECIAL LAWN MOWER 0IL.

Pure oil that will not gum or get sticky is an essential for the satisfactory operation of every mower. The oil sold by us has been selected with this point in view.

LAWN MOWER OIL

Prices: Per pint, 35c.; 50c. per quart; per ½ gal., 75c.; \$1.25 per gal.; 5 gals., \$4.50. Lawn Mower Oil cannot be mailed.

GEM OIL CANS

Finished, Brazed Steel. Capacity Spout Price No. C14AA. 8-oz. 5-in. (straight), Cop-



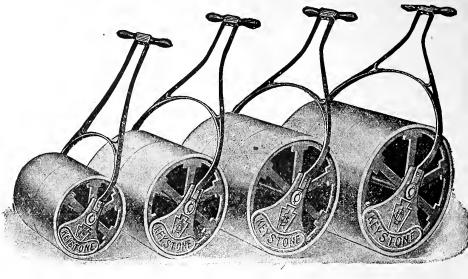
MICHELL'S LAWN ROLLERS, ETC.

It is very essential to roll the lawn when the frost is permanently out of the ground, and again several times during the season. A first class roller will prove a good investment, as it will last almost a lifetime, especially if it is put under cover when not in use.

KEYSTONE HAND LAWN ROLLERS

Drums are equipped with five spokes; the face is ground smooth and carefully finished. The steel roller bearings are mechanically constructed making the roller operate so easily a child can handle it. The handle is made of steel and hard wood; is equipped with a balance weight, so that it is always in an upright position. The drum or roller part has a bevel edge so that it cannot tear up the lawn or ground when being turned.

No.	Díam. In.	Length or Width In.	No. of Sects.	Lbs. Weight	Price
501	15	15	2	175	\$18.25
502	15	22	3	250	$21 \ 75$
504	20	20	2	250	24.00
507	20	24	2	300	28.75
50 8	20	30	3	350	, 33.25
509	24	20	2	400	39.00
511	. 24	24	3	450	42.50
512	24	30	3	500	48.25
514	28	24	3	500	48.25



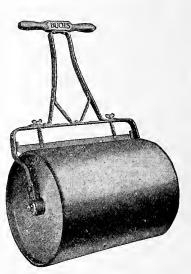
Keystone Hand Lawn Rollers

Garden and Lawn Tools

Our house makes a specialty of these, and carries probably the largest assortment in practical styles to be found anywhere; the quality is only the very best obtainable and we can readily say our garden and lawn tools give splendid service.

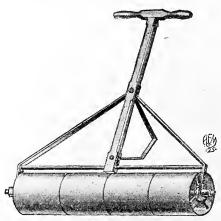
KEYSTONE WATER-BALLAST ROLLERS

Fill it with water, which will weight it up to any number of pounds desired, as shown below. The same roller can thus be used for soft turf, firm lawns, or for rolling the driveway and tennis court. Equipped with a device for keeping handles stationary. Ball axle bearings.



Keystone Water Ballast Roller

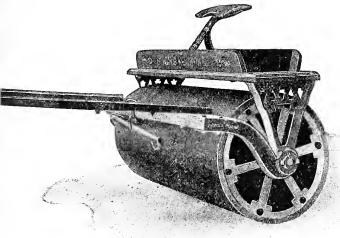
No.	Sec- tions	Diam.	Length			Price
	tions	In.	in.	Empty	water	
601	1	14	24	60	250	\$17.00
602	1	18	24	85	330	20.00
603	1	. 24	24	100	440	23.00
604	1	24	32	135	590	26.00



PUTTING GREENS

ROLLER

Greens-keepers have found that a roller about 4 feet wide, weighing about 160 pounds, is right; evenly surfaced; will not leave a mark or ridge on the greens. Made of cast steel in 4 sections. \$30.00.



Keystone Horse Roller

KEYSTONE GOLF GROUND AND LAWN HORSE ROLLERS

Made of cast iron carefully finished with beveled edge drums; sizes marked * are equipped with shafts for one horse, the other sizes can be equipped with shafts for one horse or pole for two horses; all sizes are equipped with weight boxes to permit the roller being made to weigh heavier than it is when factory finished.

No.	Díam. Inches	Length Inches	Sections	Weight Lbs.	Price
*341	24	40	4	.800	\$68.00
*342	24	50	5	950	78.00
*344	28	40	4	1000	84.00
*345	28	50	5	1200	98.00
370	20	60	5	1150	95.00
371	20	72	6	1300	110.00
372	24	60	5	1450	123.00
373	24	72	6	1700	140.00
374	28	48	4	1350	112.00
375	28	60	5	1650	137.00
376	28	72	6	1950	160.00

MICHELL'S LAWN AND GARDEN ACCESSORIES

LAWN BORDER SHEARS

Made of finest American steel. They take the place of edging knives and avoid the necessity of doing much stooping. At the same time while making an attractive finish to the grass edge of a walk or driveway, they cut the grass only, leaving the soil intact; in some respects this is desirable. The shear without wheel works equally as well as the one equipped with wheel, this feature is an item of individual preference only. There is one advantage possessed by this type of shear over the edging knife or trimmer, you can use them equally well,

whether or not the soil is damp. Without wheel. No. 104. 9 inch...\$3.50 No. 104. 10 inch... 3.75 With one wheel. No. 105. 9 inch... 4.25 No. 105. 10 inch... 4.75 THE THE WALL

LAWN BORDER SHEARS

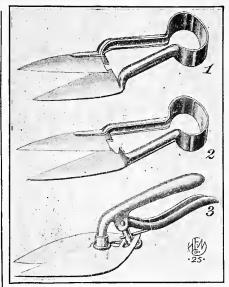
For trimming under shrubbery, fences and other out-of-the-way places. The two wheels permit the shears to move over the ground freely, backward and for-



IDEAL **DANDELION** EXTRACTOR

This simple device is the best thing of its kind ever used for taking weeds out of the lawn. It will be seen that it is not necessary to get down on hands and knees to operate it. The cutting blade is of the best steel, equipped or with a convenient handle, so that either man, woman or child can use it. 50c. each.





Key to illustration: No. 1, English; No. 2, American; No. 3, Goodwin

GRASS SHEARS

Do not buy a cheap grass shear, they do not last long, nor do they keep a sharp edge, which is an essential in trimming grass; our list comprises the best makes.

INO.					Lacii
26.	6-inch,	American	1		\$0.55
012.	6-inch,	American	1		1.25
114.	7-inch,	English,	trowel		
	sha	nk handle	e		2.50
113.	7-inch,	English,	straight	handle	2.25
0267.	6-inch,	America	ı		1.10
0267.	7-inch,	American	n		1.25
Goody	vin Mal	ke			2.25
If w	anted b	y parcel	post, a	dd 15c.	each

for postage. TURF OR SOD LIFTERS

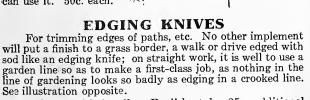
At times, it is more desirable to sod a bare or worn out spot on the lawn or grass plot than to sow it with grass seed. Our sod lifters are made of the best steel and will last a long time.



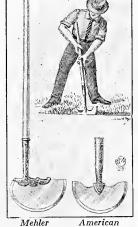
American. Steel blade, with an 18-inch steel shank and wood D handle. Price, \$2.25 each.

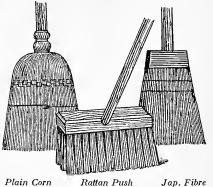


275. Price, \$7.00 each.



*Equipped with handle. English styles 25c. additional for handles. *Mehler Edging Tool......\$1.50 *No. 040. American 1.50 No. 3863. English, 9 inch 2.80





BROOMS AND BRUSHES

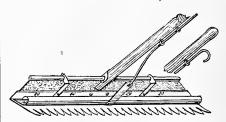
For sweeping paths, gutters, roads, etc.; all with handles.

BROOMS

DACOUNTS	
No. 230. Japanese Fibre	.\$1.50
No. 8. Corn and Rattan mixed	
Golf Greens (Birch)	35
No. 7. Plain Corn, extra quality	. 1.00

ROAD BRUSHES

No. 271. Rattan Push, 14-inch.. ...\$1.40



GEM DANDELION RAKE

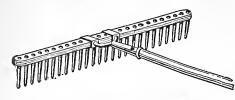
The rake is so constructed that it cuts off the flower heads and buds, preventing further propagation from seed, when the plants themselves will soon die out. The plants themselves will soon die out. rake is self-cleaning; can also be used for

leaves or grass.
No. 1, 16 inches wide \$3.00 each No. 2, 24 inches wide 4.00 each



from putting greens and other fine turf playing surfaces. Works on principle of comb, grass passing freely between fine, flat teeth; casts, etc., gathered and rolled into deep back. Can't injure greens even in hands of unskilled workman; combing action also beneficial to turf in getting up sprangly branches and insuring even cut. Excellent for levelling top dressing. 30 1/2 inches wide; works rapidly; used for years by majority of important golf clubs. Can't get out of order; strongly made to last for years. \$5.00.

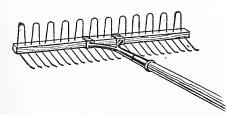
MICHELL'S LAWN AND GARDEN ACCESSORIES



OLE OLSEN LAWN RAKE

Made of best hard wood, well braced; teeth set close together.

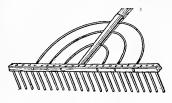
26-tooth, hickory wood. Price, \$1.25.



WIRE LAWN OR GRASS RAKE

Made of heavy tinned steel wire. The rake is reversible. These are excellent for lawn or walk work.

No. Tooth | No. Tooth | 124R....24...\$0.90 | 36LR...36....\$1.60 | No. 342H—42-tooth, very close for cleaning off putting greens, \$1.65.



Ames, No. 37X Rake

WOODEN RAKES

Ames, No. 37X. 24-tooth, steel bows.\$1.50 Ames, No. 30X. 14-tooth, hard wood. 1.25 Wire Braced. 20-tooth, lawn...............80



AUTOMATIC LAWN RAKE

A backward motion of the operator clears all the teeth at once.

Wood, 26-tooth, $1.50 \mid Wood$, 38-tooth, 1.85Galvanized, 24-tooth.........\$1.75



STEEL GARDEN RAKES



JAPANESE BROOM RAKE

An ingenious device for cleaning the debris out of a lawn or grass plot, leaving it as free from refuse as though swept with a broom. In fact to get the best results it should be used with the motion of a broom. Made of split bamboo, rigidly secured, with a suitable length handle. Just the thing for cleaning grass clippings from walks and flower beds and borders, and from the lawn.

Price, \$1.00 each; 6 for \$5.50; \$10.00 per doz., shipment to one address.



STEEL GRAVEL RAKES

These rakes are used for road making and for paths; having short teeth they do not gather up stones or gravel.

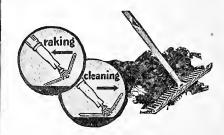
G12...12...\$1.10 G16...16...\$1.40 G14...14...1.20 G18...18....1.45 G20....20-tooth.....\$1.55



STEEL BOW RAKES

Preferred by many to the regular garden rake, the teeth being slightly bent toward the operator.

No. Tooth B12...12...\$1.15 | B14...14...\$1.25 B16.....16-tooth.....\$1.35



YELLOW JACKET SELF CLEANING LAWN RAKE

HOE AND RAKE (Combined)

An excellent tool for ladies, combining simplicity and utility. Made of the very best steel, which will outlast several cheaper tools of the same class.

No. 4P. 4-prong...\$1.10 No. 6P. 6-prong... 1.20



DOCK LIFTER

For field and farm use; will uproot the deepest seated weed or dock; has tremendous leverage. Made of wrought iron and oak wood; no wear out to it. Price, \$4.00.

(Not Mailable.)



MARKING RAKE

Has a spread of 4½ ft.; equipped with five adjustable brass teeth; no better method of row marking can be employed; suited for setting lants or sowing seed. The frame and handle are oak; no wear out to it. Price, \$7.00.

(Not Mailable.)

Extra Teeth for same. Price, 75c. (by parcel post, 85c.).

MEHLER HANDY HOE

This will do what any half-moon and square hoe will accomplish. It has a wide side and a narrow side, while another part of it will answer as a rake to pulverize the soil. Price, \$1.25.

Please note.—Mehler Garden Tools cannot be sent by Parcel Post.



MEHLER GARDENER

An entirely distinct tool. Avoids bending the back. Works closer to the plant than any other device. No hoe is needed where this is used. Just the thing for working among flowers and vegetable plants. \$1.25 each. Not mailable.

MICHELL'S LAWN AND GARDEN TOOLS



SQUARE HOES

6-inch, solid shank	\$1.15
7-inch, solid shank	1.20
8-inch, solid shank	1.20
10-inch, for celery	1.75
14-inch, for celery	2.25
	7-inch, solid shank 8-inch, solid shank



3-inch	\$0.95
4-inch	1.10
5-inch	1.15
6-inch	1.15
8-inch	
	4-inch

TWO-PRONG ONION HOE

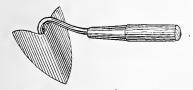
Will be found very valuable in weeding in narrow rows. (See cut below.)



WARREN HOES

Excellent tools for making drills preparatory to sowing of seed. The backs can be used for covering. (See cut above.)

No. W7.	7-inch\$1	1.30
No. W8.	8-inch	1.45



BABY WARREN HOE

No. BW41/2. Short Handle, 70c. (by P. P., 80c.).



SPECIAL STEEL WEEDING HOE

SCUFFLE HOES



Made of best steel.
5-inch\$1.00
6-inch 1.10
7-inch 1.15
8-inch 1.15
10-inch 1.25
Handles for Scuffle
Hoes, 25c. each, extra.



MICHELL'S FIELD HOE

For digging up stubble, small stumps, small plots of ground

for planting purposes, etc.
No. G. C. 40. $5\frac{1}{2}$ -inch blade, each \$1.00
No. I. G. 7. 7-inch blade, extra heavy,
1 75



SHOVELS Long Handle

Ames, round point	\$2.75
Maynard, round point	
Maynard, square point	2.75
Portage City, round point	2.10
Portage City, square point	2.10

Short Handle

Ditole Illiano	
Ames, round point	\$2.75
Ames, square point	2.75
Maynard, round point	
Maynard, square point	
Portage City, round point	2.10
Portage City, square point	2.10



STEEL SCOOP SHOVELS

Strap	ped	shanks, wood D or short han	ares.
No. 1.	9	-inch mouth	\$1.60
No. 2.	10	-inch mouth	1.70
No. 3.	11	-inch mouth	1.80
No. 4.	11 1	2-inch mouth	1.85
No. 5.	12	-inch mouth	1.95
No. 6.	13	-inch mouth	2.10



BOYS' OR LADIES' SHOVEL I



STEEL SPADES

Ames, short handle	. \$2.75
Maynard, short handle	
Nursery (Pfeiffers), short handle	
Portage City, short handle	. 2.10
Boys'	. 1.60



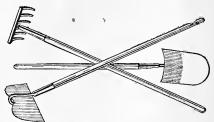
WIRE SCOOP SHOVEL

For handling potatoes, turnips and root crops without bruising or cutting. Made of heavy steel wire.....\$3.00



SNOW SHOVELS

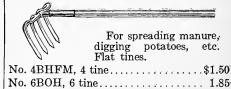
	Adams, wood, D handles	25 25
I	Owosso, galvanized 16-inches wide	
ĺ	(see cut)	00



GARDEN TOOL SET

For ladies and children, in fact they are suitable for the country gentleman, consisting of 1 hoe, 1 rake and 1 spade, No. 3PF. Large size, per set, \$2.00.

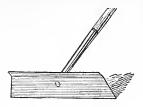
MANURE DRAGS



IMPLEMENT HANDLES

	Each
Axe	\$0.45
Spade, plain	.75
Fork, Spading, plain	.75
Fork, Manure, plain, short	.75
Fork, Manure, plain, long	.75
Shovel and Spade, short, plain	.80
Hoe, plain	.25
Rake, plain	.25
Pick or Mattock	.50
12-foot Poles\$2.75 14-foot Poles\$	\$3.00

MICHELL'S FARM AND GARDEN TOOLS



MEHLER HANDY SCRAPER

This was originally designed as a dropping-board scraper in poultry and pigeon houses. It gets in the corners easily and has a sharp crimped edge on the upper side, which is used to loosen up any hard substance. It is also suited for a variety of other work around the farm or garden. Price, \$1.00.



SPADING FORKS



ENGLISH DIGGING FORK, No. ED4

Though made in America, it is made exactly after the pattern of garden forks such as are made and used in England. The prongs are solid steel, with square instead of round edges, which adapts it especially for digging in heavy soil, in which it works with ease. Every gardener should add one of these to his collection of tools, as we know it will give him splendid satisfaction. 4-tine, \$2.75 each.



MANURE FORKS

Strapped Shanks

bu apped blianks.	
04W-4 tine, light, short handle	
163 —4 tine, heavy, short handle	
05W-5 tine, medium, short handle	
06W-6 tine, medium, short handle	2.60
$044\frac{1}{2}$ —4 tine, long handle	1.75
$054\frac{1}{2}$ —5 tine, long handle	2.00



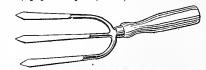
EXCELSIOR WEEDING FORK

No. 300. Made of malleable steel, finished in tin, 15c. (by parcel post, 20c.).



EXCELSIOR WEEDER

Made of malleable iron, finished in tin, 15c. (by parcel post, 20c.).



EUREKA WEEDING FORK

Letter G. Made of best flexible steel; splendid for loosening soil in the garden, in hotbeds, etc., 50c. (by parcel post, 60c.).



EUREKA WEEDER No. 6

Letter E. Made of flexible steel; very light, an ideal tool for market gardeners. florists and amateurs, 50c. (by parcel post, 60c.).



HAZELTINE WEEDER

No. Bw1, 45c. (by parcel post, 55c.).



MAGIC WEEDER

Made of heavy galvanized flexible wire with flattened prongs or ends.

Letter A. Short Handle, Small.....\$0.25
(by parcel post, 35c.).

Letter B. Short Handle, Medium......35

Letter H. Long Handle, Large......1.25



JOHNSON STEEL TROWELS, No. 211

These are made of one piece steel blade and shank, equal to the imported trowels. 5-inch.....\$0.75 | 7-inch......\$0.85 6-inch......

If wanted by parcel post add 10c. each for postage.



D. S. T. STEEL SHANK TROWEL

These are somewhat long in blade and handle, making a very practical tool. 6-inch blade, 85c. each (by parcel post, 95c.).



CLEVES' ANGLE TROWEL No. 217

For getting dandelion, plaintain and other weeds out of the lawn, and transplanting.

	made of the lawn, and transplant				101116.			
i								P. Post
i								Each
	5-inch				.	 	.\$0.30	\$0.40
ı	5-inch. 6-inch. 7-inch.					 	35	.45
1	7-inch.					 	40	.50
ı								

MISCELLANEOUS TROWELS

	Each	By
۱		P. Post
	No. 213—5-inch\$0.20	0 \$0.25
	No. 213—6-inch	5 .30
	No. 0. Neverbreak—6-inch,	
	heavy steel	5 .35

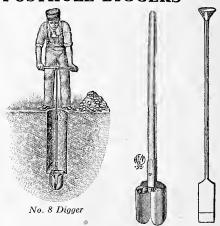


Equipped with wooden handles.

No. 2180. Brass point, \$1.00 (by parcel post, \$1.10).

No. 218. Iron point, 80c. (by parcel post, 90c.).

POSTHOLE DIGGERS

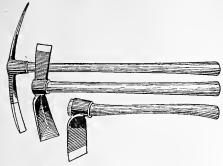


No. 8. This bores a hole $3\frac{1}{2}$ ft. deep and can be adjusted in diameter from 8 to 14 inches, \$6.00.

No. 15. Eureka, \$2.50.

Post Hole Spade. All steel with tamper end, \$2.50.

MICHELL'S FARM AND GARDEN TOOLS, ETC.



PICKS (Price includes Handle)

All steel, double point, \$1.25 (by P. P., \$1.50).

MATTOCKS (Price includes Handle)

By P.P.	
Axe, pointed	
Pick, pointed	
Axe, pointed \$1.50 \$1.75 Pick, pointed 1.50 1.75 Half Mattocks or Grub Hoes 1.50 1.75	



TREE SCRAPER

For removing loose bark from trees prior to spraying. Steel blade may be detached and sharpened. No. 5, short handle, 75c. (by P. P., 85c.).

TREE OR BARK BRUSHES

For brushing down trees for removing insects, borers, etc. Made of steel. Price, 8½-inch, 65c. (by P. P., 75c.).



MONKEY WRENCHES

For machinery. Made of first quality hard steel; 8-inch, 75c. (by P. P., 85c.); 10-inch, 85c. (by P. P., 95c.).



STEEL PLIERS

				\mathbf{B}_{i}	y P.P.
No.				Each	
133.	Side	cutting.	6-inch	\$1.00	\$1.10
133.	Side	cutting,	7-inch	1.10	1.20



Plumb Make, medium, man's size, made of best quality steel, \$2.75 (byP. P., \$3.00).



STEEL HAMMERS

No. 011½ Pexto, \$1.00 (by P. P., \$1.10). Plow Line Cotton, 45-ft. hanks .70



HATCHETS

Made of the best quality tool steel, that will keep an edge. Plumb, \$1.25 (by P. P., \$1.35).



PEXTO SCREW DRIVERS

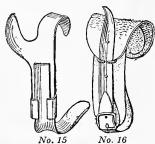
4-in. blade....\$0.50 | 6-in. blade....\$0.65 5-in. blade......60 | 7-in. blade......75 10-in. blade.....\$1.00

If wanted by Parcel Post add 10c. each for postage.

HUSKING PINS

Universal. All metal; adjustable to any size hand, 15c. (By P. P., 20c.).
No. 16. Combination; leather and metal, 15c. (by P. P., 20c.).

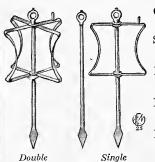
No. 15.



Control of the August 1990

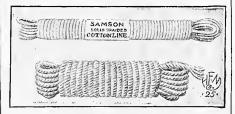
CORN KNIFE

Little Giant. Made of high grade steel, oil tempered; polished on one side; tang extends through oval wood handle. Price, 65c. (by P. P., 80c.).

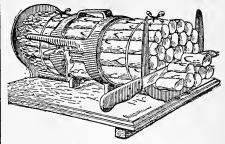


GARDEN REELS

Small, Single, \$1.35 (by P. P., \$1.45). Med., Single, \$2.10 (by P. P., \$2.20). Large, Double, \$4.25 (by P. P., \$4.50). Large, Single, \$3.75 (by P. P., \$4.00).

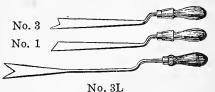


GARDEN LINE



ASPARAGUS BUNCHERS

Even where one has a limited amount of asparagus to market, it pays to use a buncher. It is tied quickly and looks uniform. Price, with knife guard, \$4.50 (by P. P., \$4.75).

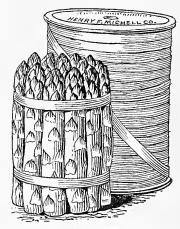


ASPARAGUS KNIVES

 Fig. 110, No. 1
 By P.P. Each Each Each Fig. 110, No. 3
 50.65
 \$0.75

 Fig. 110, No. 3
 .65
 .75

 Fig. 110, No. 3L
 .65
 .75



ASPARAGUS TAPE

In fast colors, green and red, glazed finish. 1000-yard spools, \$5.00 (by P. P., \$5.15).

SUN DIALS



These ancient time-tellers are a part of every exclusive flower or vegetable garden, and indeed a very interesting one.

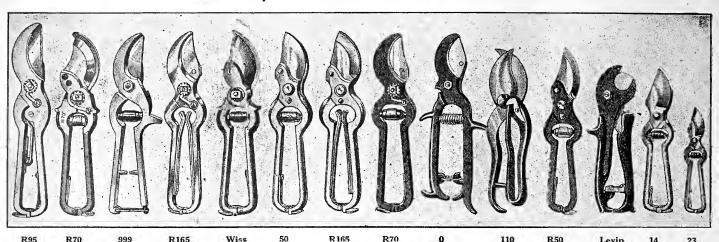
No. 350. 8-in. diam., bronze, plain, \$5.00 (by P. P., \$5.50).

No. 351. 9½-in. diam., bronze, with motto, \$6.00 (by P. P., \$6.50). No. 105. 10-in. diam., bronze, with motto, \$6.50 (by P. P., \$7.00).

No. 107. 11-in. diam., bronze, with motto, \$9.50 (by P.P.,\$10.00).

Prices do not include

pedestal.



PRUNING SHEARS

R165

Our pruning shears are procured from the most reliable makers and all are fully guar-

If wanted by Parcel Post add 10c. each for postage.

101 postage.			
No.	Leng	gth	Each
100 Perfection	. 8 `	in.	\$3.00
50 Pexto	. 8	in.	1.10
R 50 Pexto	9	in.	1.40
55 Pexto	9	in.	1.65
R 95 Pexto		in.	3.75
109 Wiss	. 8	in.	3.50
65 Pexto American	. 9	in.	1.75
R165 Pexto American		in.	2.50
R 70 Pexto American		in.	2.00
14 Pexto, Nickeled		in.	1.65
0 Pexto		in.	.65
253 Disston, plain	. 8	in.	2.50
23 Levin			.80
23 Henckel	41/	in.	1.65
23 Henckel	$\frac{1}{6}$	in.	1.90
1586 French	71/3	in.	2.75
1586 French	81/3	in.	3.25
Spiral Springs for any of	the a		Prun-
ing Shears. 20c. each;			\$1.50
(by P. P., \$1.60).	r J	,	T = 100
(~υ - · - ·, φ - · · · ·) ·			

BRUSH OR BRIAR HOOK



STEEL HEDGE KNIVES

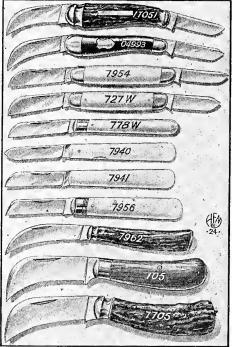
For cutting heavy brush, shrubbery, hedges, etc. Made of the finest steel with a slight hook on blade. . . . \$5.00 handle (by P. P., \$1.40)..... . 1.25



ENGLISH BILL HOOKS

For trimming heavy shrubbery, trees,

Short Handle, \$2.50 (by P. P., \$2.75). Long Handle, \$3.50 (by P. P., \$3.75).



HORTICULTURAL KNIVES

Our stock consists of such styles that are practical and in demand. They are all of the best steel. Every one is guaranteed to give good satisfaction.

WOSTENHOLM ENGLISH

No.	Each
7705	Pruning, 1 blade, stag handle, extra heavy\$2.75
	extra heavy\$2.75
7940	Budding, 1 blade, white handle 2.75
7941	Budding, 1 blade, white handle 3.00
7954	Budding, 2 blade, white handle 3.00
7956	Budding, 1 blade, white handle 3.25
7962	Pruning, 1 blade, stag handle. 2.25
17051	Pruning, 2 blades, stag handle 3.25
	AMERICAN MAKE

Pruning, 1 blade, cocoa handle 1.10 727W. Budding, 2 blades, white handle...... 1.25 778W. Budding, 1 blade, white handle 1.00

04993 Budding and Pruning, 2 blades, ebony or stag handle 1.25 pair for postage.



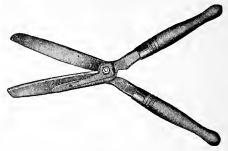
Levin

HEDGE SHEARS

	MILLOUIL DILLING	
No.	American	English
101A	$6\frac{1}{2}$ -inch, Ladies'. \$1.50	0
101 A	8-inch 2.50	\$3.50
101 A	9-inch 3.00	3.75
101A	10-inch 3.25	4.25
101A	12-inch 3.50	5.00
TA		

If wanted by Parcel Post, add 20c. each for postage.

Bolts and Nuts for hedge shears, 30c. Handles for Hedge Shears, 85c. per pair.



YEAKLE HEDGE SHEAR

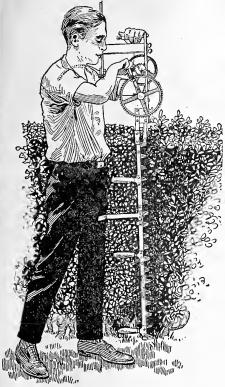
These shears will not push the hedge forward but will hold it and cut it at once. They also have a tension spring to keep the blades together, consequently need little or no attention, as the spring has a tendency to keep them sharp. Price, \$6.75 (by P. P., \$6.95).



LEATHER PRUNING **GLOVES**

No. 225. Horsehide, with gauntlets, not lined......\$2.75 No. 280. Horsehide, with gauntlets, No. 225-2. Horsehide, no gauntlets, not lined 2.75 No. 288. Horsehide, no gauntlets, lined..... 2.00 If wanted by Parcel Post, add 15c. per

MICHELL'S LAWN, GARDEN AND FARM ACCESSORIES



Showing how the Wonder Hedge Trimmer works in a vertical position

LITTLE WONDER HEDGE TRIMMER

This machine is built along the most practical lines mechanically, and of the very best materials; weight 16 lbs. When the knives require sharpening, do not grind, use a carborundum stone which accompanies each machine. This trimmer is designed only for trimming back the new growth of hedge during the summer months; it is not intended for cutting back old wood growth; the machine is equipped with a wide web strap for supporting it from the shoulder when in use. The cutting knife runs backward or forward through a knife guard and is operated by turning a wheel.

Junior. Price, 30-in. cut, \$19.75 (by P. P. \$20.50).

Little Wonder. Price, 40-in. cut, \$25.00 (by P. P., \$25.75).

Little Wonder. Price, 60-in. cut, \$30.00 (by P. P., \$30.75).

WATERS TREE PRUNERS



With removable cutting blade and pole complete. 4 feet \$2.50 6 feet 3.00 8 feet 3.25 10 feet..... 3.50 12 feet 3.75 14 feet..... 4.00 Extra Blades for Waters Pruners, 40c.

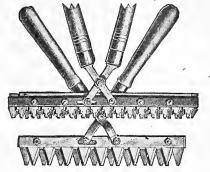
each. The Waters Tree Pruners are equipped with poles.

Waters Pruners are not mailable.

Poles for Tree Pruners 12 feet long, 1½ inch diameter \$2.75 If wanted for postage.

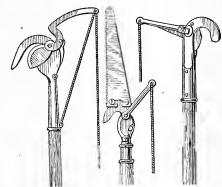
SIMPLICITY HEDGE PRUNER AND TRIMMER

For pruning back old growth and trimming new, \$6.00 (by P. P., \$6.25).



TRIMMER

To be used for fresh new growth only. Works rapidly and easily. It will trim every variety of hedge grown and to any shape desired. Price, \$5.00 (by P. P., \$5.25).



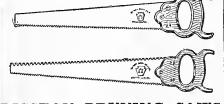
Disston's Little Giant Disston's Little Giant With Saw Telegraph

TREE PRUNERS

Disston's Little Giant. Pruner \$2.25 Disston's Little Giant. With saw attachment.... If wanted by Parcel Post, add 20c. each for postage.

Prices are for Pruner without rope or pole. TELEGRAPH TREE **PRUNERS**

Removable blade, which can be renewed when worn out for 40c. Price, plain, without pole, \$2.25 (by P. P., \$2.40.)



DISSTON PRUNING SAWS

	No. 4.	18-inch.	Double edge\$	1.75
	No. 4.	20-inch.	Double edge	2.00
	No. 7.	16-inch.	Single edge	1.60
١	No. 7.	18-inch.	Single edge	1.70
.	No. 7.	20-inch.	Single edge	1.80
		22-inch.	Single edge	2.15
	15-inch.	Californ	ia Pattern. Crescent	



CROSS CUT LOG SAWS

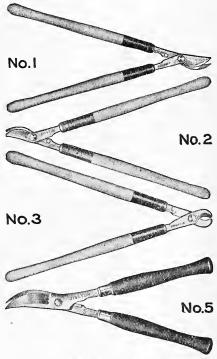
Disston Make

Keystone No. 3, one-man, $3\frac{1}{2}$ ft. blade.\$3.75 Gt. American, two-man, 5 ft. blade 5.75



CARPENTER SAWS

 $\begin{array}{c} \text{State if rip or cross-cut is wanted.} \\ \text{Disston No. 8D.} & 26\text{-inch blade.} & ... & ... \$3.50 \\ \text{Disston No. 8D.} & (\text{Rip}) \ 28\text{-inch blade.} & ... \ 4.00 \\ \end{array}$



LOPPING SHEARS

No. 1. Disston Lopping. Polished hardwood handle, 27½ inches long; heavy ferrule; heavy blades for heavy work; new tension and positive adjustment; weight, 3½ lbs. Price, \$3.00 (by P. P., $\$3.\bar{25}$).

No. 2. Disston Vine Lopping. Details same as above, excepting it is made slightly lighter for smaller work; weight 3 lbs. Price, \$3.00 (by P. P., \$3.25).

No. 3. Disston Bull Dog Lopping. Both jaws curved and both cutting jaws; weight $3\frac{1}{3}$ lbs. Price, \$3.00 (by P. P., \$3.25).

No. 5. Disston Utility Lopping. 9-inch black handles; full polish, $3\frac{1}{4}$ -inch blades; weight, $1\frac{1}{4}$ lbs. Price, \$2.50 (by P. P., \$2.75).

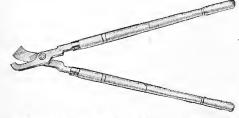
TIFFANY LOPPING SHEARS

MICHELL'S FARM AND GARDEN ACCESSORIES



RHODES LOPPING SHEAR

Makes an absolutely clean, perfect cut; the blades are concaved at the cutting edge, producing with the handles an enormous leverage. The easiest operating Lopping Shear ever made or sold. 24-inch and 28-inch handles. Price, \$5.00 (by P. P., \$5.25).



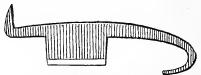
ENGLISH LOPPING SHEAR

No. 109. Made of the finest English steel; 4-inch cut; will sever heavy branches readily. Price, \$6.75 (by P. P., \$7.00).



GRAFTING WAX

1/4 lb., 15c.; 25c. per 1/2 lb. (by P. P., 30c.); 1 lb., 45c. (by P. P., 55c.).



GRAFTING TOOL

Made of the best steel. For grafting trees, etc.

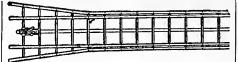
All steel. \$1.00 (by P. P., \$1.10).

MAN O'WAR WINDMILL



An interesting feature for the children's garden, although they are equally practicable for the grown-ups. Theyrevolve withtheleast puff of wind, and on account of their looks they serve as a scarecrow for undesir-

able birds or animals. They can be fastened to any tree, post, house or wash line pole. Height, 15 in., \$1.50 each (by P. P., \$1.65).



COMPOUND EXTENSION LADDERS

These are made in the best manner possible; are complete, being equipped with the necessary rope and pulleys.

20 feet	30 feet 80c. 34 feet per ft 36 feet
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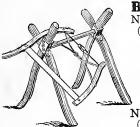
SINGLE PLANK LADDERS

Made of good hard wood, free from faulty knots and with perfect rounds.

12 feet 6.60	16 feet \$8.80 18 feet 9.90
14 feet 7.70	20 feet 13.00

STEP LADDERS

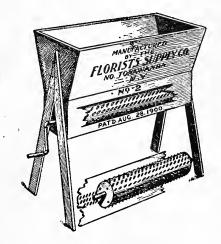
Gem. 4 ft. to 10 ft., 75c. per foot.



BUCK SAW No. 50. Each, \$1.70 (by P. P., \$1.85). SAW-

> HORSE or WOOD BUCK

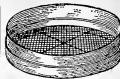
No. 2. Each, 85c. (by P. P., \$1.00).



SOIL PULVERIZER

The machines are equipped with a hopper and a roller, the latter being spiked. It is turned by means of a handle and crushes the soil perfectly, avoiding necessity to sift.

No.	Length	Width	Height	Price
1	25 in.	20 in.	40 in.	\$22.50
. 2	46 in.	20 in.	40 in.	32.50
3	46 in.	20 in.	40 in.	42.50
Th	e No 3 si	zo has an	extra roll	



SIEVES

(Any Size Mesh)
Made extra well.
By

		Each	Each
20-inch	Steel (Heavy)	.\$1.55	\$1.75
20-inch	Galvanized wire	. 1.55	1.75



For soil, gravel, sand, etc. Made in any size mesh, of extra heavy grade foundry wire. \$14.00 each.



OUT-O-SIGHT TRAPS

The most satisfactory mouse and rat trap. Set off at the least vibration.

	/11	u c	ULIC	ICUBU	VIDI GUIOII.		
						By	P. P.
						Each	Each
Mou	se.					. \$0.10	\$0.15
Rat.						20	.25

BANNER ROOT CUTTERS

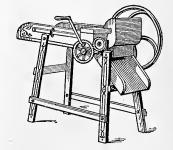


Roots of vegetables cut up fine take the place of grass and greens during the winter months.

No. 7. For poultry, sheep and lambs, \$6.50. No.16. Medium size, \$22.00. No. 35. Large

size, \$30.00.

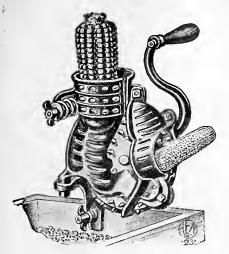
If pulley is wanted on Nos.
16 and 35, add
\$1.50.



HAY AND FEED CUTTER

For cutting hay, ensilage, etc. No. 111/4 Ohio. Double knife.....\$35.00

MICHELL'S FARM AND GARDEN ACCESSORIES

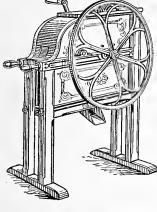


BLACK HAWK CORN SHELLER

Excellent for small poultry farms, etc. Ball-bearing; suitable for fastening to a bench, box, etc., for shelling small quantities of corn. \$3.25 each (by P. P., \$3.60).

PENNA. CORN SHELLER No. 3

Useful on every farm and private estate. Separates the 🕳 from corn the cob, throwing the cob to one side and allowing the corn to pass out another. \$16.00.

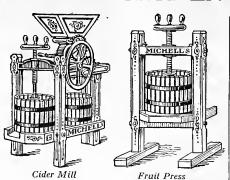




GRAPE PROTECTING BAGS

Thousands of bunches of grapes are wasted annually because they are not protected against the ravages of insects, birds, etc. Michell's Improved Grape Bags are economical, easily attached and last a season. The fruit ripens just as readily in them as it does in the open. The bags should be attached when the grapes are the size of a pea prior to which it is suggested that they be sprayed (even though not affected) against blight or fungus; the bags should be left attached until the fruit ready to harvest

is ready to harvest.		P.P.	1000
2 lb. size	\$0.60 p	er 100	\$5.00
3 lb. size	70	.80	5.75
4 lb. size	75	.85	6.50



CIDER MILLS

Capaci	ty Price
Bantam, 1 single tub ½ bu	\$20.00
Junior	25.00
Medium	30.00
Senior	42.50

FRUIT PRESSES

Made of best quality wood, carefully bolted and finished.

Νo	. Capacity	Price
1	$\frac{1}{4}$ bu.	\$8.00
2	1/2 "	9.00
3	1 "	13.50
7	Very heavy	35.00



JUICY FRUIT PRESS

A very valuable press for making jellies, Fruit Syrups, Lard, etc. All parts coming in contact with fruit juices are tinned with pure block tin. Base and feet cast as one piece. Price,

PRESTO FRUIT **PRESS**

Used for extracting juices from Berries, and other Fruits. Made entirely of iron and steel; all parts heavily tinned. No. 1. 3 quart size......\$5.25

No. 2. 6 quart size...... 6.50 No. 3. 9 quart

size..... 7.50

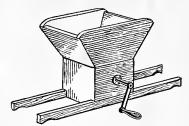


Presto Press



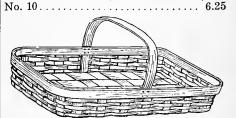
BOSS FRUIT PICKER

Made substantially of galvanized wire. Can easily be attached to a pole of any length. Price, 50c. (by P. P., 60c.).



GRAPE GRINDER

Suitable for crushing berries, grapes and similar soft fruit. No. 5.....\$5.00



GATHERING BASKET

Very convenient for carrying berry boxes, asparagus and other vegetables. Made of oak, with substantial handles; 12 in. wide, 23 in. long, 4 in. deep. Price, \$1.10 (by P. P., \$1.30).



GARDEN **BASKETS**

No. 2, Stiff Handle ½ Bu., \$1.00 each (by P. P., \$1.15). No. 3, Drop

Handle ½ Bu., \$1.00 each (by P. P., \$1.15). No. 4, Without Handle

1/2 Bu., 85c. each (by P. P., \$1.00).
1 Bu., \$1.10 each (by P. P., \$1.25).



SPLIT OR CHIP BASKETS With Double Drop Handles

Each ½ bu.....\$0.15 \$1.60 $\frac{1}{2}$ bu..... .20 1.75 2.50 .25 .30 3.00



BERRY BOXES 100 1000

1 qt.....\$1.50 \$12.00 1 pt..... 1.35 11.00

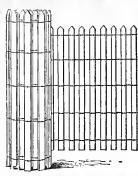
MEASURES				
1/4 peck \$0.65				
½ peck				
1 peck				
½ bushel 1.25				
1 bushel 3.00				

If wanted by P. P.,

add 15c. for postage.



MICHELL'S LAWN, GARDEN AND FARM ACCESSORIES



CEDAR PICKET FENCING

This is tailor-made compared to the ordinary ready-made fencing. Will wear for years without paint. Readily put up and saves time, labor and expense of fence building. Far ahead of and will outwear the old style wire fence by many years. Rolls of 50 feet are carried in stock. 75 and 100 ft. rolls can be shipped from factory.

3 ft. high, with 4 galvanized steel double wire cables, 15c. per running foot.

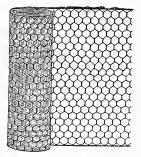
4 ft. high, with 5 galvanized steel double wire cables, 17c. per running foot.

5 ft. high, with 6 galvanized steel double wire cables, 22c. per running foot.

WIRE NET-TING

Price is constantly changing and is subject to market.

No. 19. Galvanized, twoinch mesh, 150 running feet per bale.



	Width	Per Bale
.\$1.68	42 inches	s\$4 . 88
. 2.40	48 inches	s 5.58
. 3.00	60 inches	s 6. 88
. 3.68	72 inches	s 8 . 37
. 4.19	ĺ	
	.\$1.68 . 2.40 . 3.00 . 3.68	.\$1.68 42 inches . 2.40 48 inches . 3.00 60 inches

No. 20, galvanized, one-inch mesh, 150 running feet per bale.

running leet per bai	е.
Width Per Bale	Width Per Bale
12 inches \$3.36	42 inches \$9.75
18 inches 4.80	48 inches 11.15
24 inches 6.00	60 inches 13.00
30 inches 7.32	72 inches15.60
36 inches 8.37	

STAPLES

34 inch, for fastening netting, 15c. per lb.

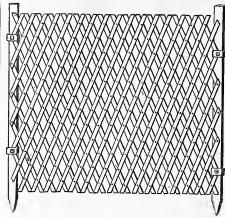
CUT WIRE NETTING

We can furnish this in both 1- and 2-inch mesh, in units of 25-ft., 50-ft., 75-ft., 100-ft. and 125-ft. lengths. 1-inch mesh at 4c. per square ft.; 2-inch mesh at 2c. per square ft.

TOMATO OR PAEONY SUPPORT

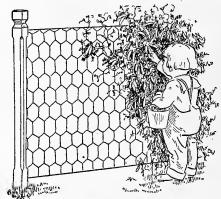
(See Illustration Opposite)

These pay for themselves the first season. They insure more flowers and better fruit. Model (Wire). Each, 35c.; doz., \$3.50; \$24.00 per 100.



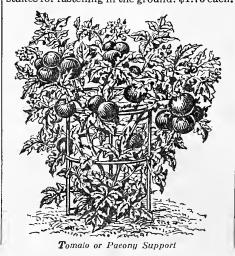
No. 1, MANIFOLD PEA TRELLIS (Wood)

The ideal arrangement for garden and sweet peas. When fully opened it makes a trellis 19 feet long, and this is varied according to the height desired. Positively the best thing of its kind that has ever come to our notice. It can be set up in 5 minutes and taken down in less; folds together so that it occupies very little storage space. Very desirable also as a trellis for training vines on. Complete ready to put up; stained green, \$4.00 each; doz., \$46.00.



WIRE PEA TRELLIS

Does away with brush, twine, etc., and avoids the necessity of peas lying on the ground and wasting; made of best wire and painted wood. It is 48 inches high and in 10-foot sections, with 3 suitable 5½-foot stakes for fastening in the ground. \$1.75 each.



ADJUSTO PLANT SUPPORT

Indispensable for Roses, Dahlias, Tomato and other plants.

The "Adjusto" Plants Support is a marvel for simplicity and efficiency. It consists of two parts, an oak stake pointed at the bottom and painted green, and a hoop of the toughest wire, also painted green to prevent rust.

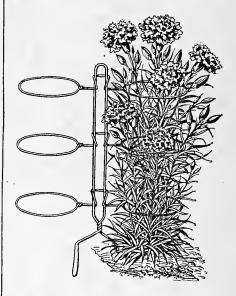
It contains no nails, hooks, or screws. It holds securely any flower or plant and can be adjusted to any height to conform with the plant's growth.



Plants thrive when supported by the "Adjusto" and are sure to bear more beautiful blossoms and perfect fruit.

A permanent equipment which can be used year after year.

Height Each Doz. 18inch.\$0.10 \$0.85 24inch. .12 1.00 3feet.. .20 2.00 4feet.. .25 2.50 .30 5feet.. 3.00 6feet.. .35 3.50



CARNATION SUPPORTS

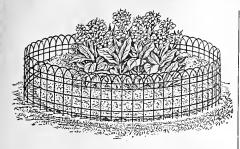
The Richmond shown is the most popular support on the market. Can be put together in a minute and is always satisfactory; 24 inches high.

Richmond, Double (See Cut)

	Richmond, Double (See	Cut
Doz.	100	1000
\$1.50	\$7.50	\$67.50
	Model, 2 ring	
Doz.	100	1000
\$1.00	\$6.50	\$57.50
	Model, 3 ring	
Doz.	100	1000
\$1.25	\$7.00	\$65.00

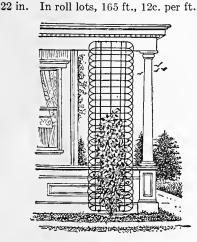
165

MICHELL'S HORTICULTURAL AND GARDEN SUPPLIES



FLOWER BED FENCING

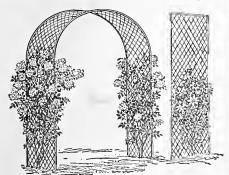
For putting around beds, lawns, etc. Any length desired up to 165 running feet. 18 in. Less than 165 ft. roll, 12c. per ft. 18 in. In roll lots, 165 ft., 10c. per ft. 22 in. Less than 165 ft. roll, 13c. per ft.



CONTINUOUS WIRE TRELLIS

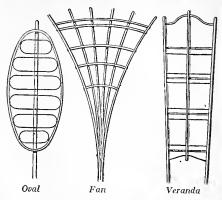
Excellent for training vines of all kinds up porch verandas, pergolas, etc. Thoroughly galvanized and well made.

Any length desired up to 165 running feet. 18 in. wide, less than 165 ft. roll, 14c. per ft. 18 in. wide, in roll lots, 165 ft., 12c. per ft. 24 in. wide, less than 165 ft. roll, 16c. per ft. 24 in. wide, in roll lots, 165 ft., 14c. per ft.



GALVANIZED WIRE WORK

This can be furnished on short notice, any height or any width, in either trellises or arches. Made of heavy diamond mesh wire with strong frames. It requires usually several weeks in which to complete orders for this. 50c. per sq. ft. on pieces aggregating 10 sq. ft. or over; less than 10 sq. ft. pieces, 55c. per sq. ft.



VERANDA TRELLIS

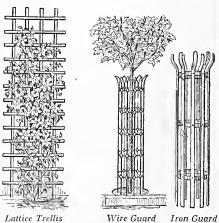
Made of wood and painted green. By P.P. \$1.15 3 feet 1.35 1.501.75

E. SETA E	MELLIS .
Made of wood and	painted green.
18 inch\$0.40	36 inch \$1.35
24 inch	42 inch
30 inch	48 inch 2.00
If wanted by P. P.,	add 15c. for postage.

OVAL TRELLIS

LATTICE TRELLIS

Made of wood and painted green. 18 in. wide 24 in. wide 6 feet. ...\$2.50 \$3.50 feet 3.00 4.008 feet 3.50 4.504.755.2512 feet 4.75 6.25 Shipment via express.

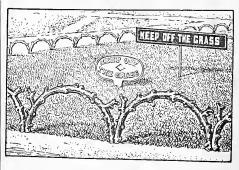


TREE GUARDS

Galvanized Wire. Carefully made of heavy material and finished in a neat and substantial manner. 12 in. diam., \$2.50; 9 in. diam., \$2.25 each.

No. 4. Iron. Made of flat iron, finished black; will last indefinitely with an occasional painting. \$3.75 each.

Phila. Official Tree Guard. Made of heavy round iron. \$6.50 each.



LAWN GUARDS

For path corners, flower beds, etc. Iron (see cut), nicely painted green, \$2.75 each. Not mailable.

Wire, made extra heavy and well galvanized. Price, 35c. each (by P. P., 45c.); per doz., \$3.50 (by P. P., \$3.85).

LAWN SIGNS

Excellent for putting on grass plots where thoroughfare is not desired.

Iron, painted gray, trimmed red, 90c. each (by mail, \$1.05); per doz., \$10.00.

Enameled Iron Style. (See cut above.) This pattern is best for conspicuous places. Nameplate finished with green and white enamel; 20 inches long and about 4 inches wide. Equipped with iron stake. \$2.25 each (by mail, \$2.40); per doz., \$25.00.



WALL NAILS

For fastening climbing vines; equipped with a soft metal clasp which holds the vine against the

	Doz.	100
1 inch	\$0.45	\$2.75
$1\frac{1}{2}$ inch	60	3.75
2 inch		
Wall nails by		
per doz.; 15c	. per 1	00.



Tin Enameled

VASES

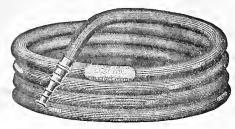
For holding cut flowers on cemetery lots,

							P. P.
	No.					Each	Each
	6.	Iron.	Large;	gree	n:	\$0.75	\$0.90
ı	5.	Iron.	Mediu	m; gi	een	.65	.75
ı	6.	Galva	nized.	Larg	e	1.00	1.15
	5.	Galva	nized.	Med	ium	.85	.95
			Ename				
ı	each	(by m	ail, 30c.); do	z., \$2.	50 (by	mail,
	\$2.7	5).					

PARCEL POST SHIPMENTS

Where goods can be shipped in this manner, we have affixed the postage charges opposite. Where remittance accompanies order please include sufficient to cover mailing and special packing charges.

MICHELL'S GARDEN, LAWN AND GREENHOUSE ACCESSORIES



RUBBER HOSE

re	erit.
Michell's Special, ½ inch\$	0.13
Michell's Special, ¾ inch	.16
Electric. You cannot kink it. ½ inch.	.19
Electric, 5/8 inch	.20
Electric, 3/4 inch	.21
Michell's Magic, 3/4 inch	.20
Michell's Akron. 3/4 inch	.20
Whip-Cord, ¾ inch	.18
Evergreen, 3/4 inch	.18
Spray Pump Hose, Electric, 3/8 inch.	.15
All brands come in reels of 500 feet	and

sections in any length to that number of feet may be had.

25- and 50-foot sections of hose coupled free. Smaller sections coupled at the rate of 30c. per pair for couplings.

Hose Washers. ¾ inch, 8c. per doz.; ¼ lb., 25c.; 75c. per lb. (by mail, 85c.). 1 inch, 8c. per doz.; ¼ lb., 30c.; \$1.00 per lb. (by mail, \$1.10).



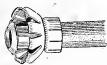
Cooper Hose Mender

HOSE MENDERS

If wanted by parcel post, add 10c. per doz. for postage.

	Each	Doz.
Cooper's 3/4-inch	.\$0.12	\$1.10
Cooper's 5/8-inch	12	1.10
Cooper's ½-inch	12	1.10
Jones Iron, 3/4 inch	12	1.10

PERFECT HOSE MENDERS



Made entirely of brass, with swivel motion—no band quired.

For 1/2-inch and 3/4inch hose, 15c. each; doz., \$1.50 (by mail, \$1.65).



No. 3



ACME HOSE COUPLINGS

For quickly connecting and detaching hose. No. 3 part, for attaching to spigot, 30c. each; doz., \$3.00 (by mail, \$3.15).

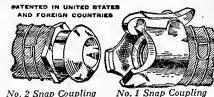
No. 4 part, for attaching to hose, 50c. each; doz., \$5.00 (by mail, \$5.25).

Couplings complete, consisting of one No. 3 and one No. 4 part, 80c. each; per doz., \$8.00 (by mail, \$8.25).

HOSE COUPLINGS

If wanted by parcel post, add 20c. per doz. for postage.

Plain Brass (see cut) . . ½ inch \$0.25 Plain Brass.......34 inch .25 2.25 Perfect. Equipped with a clamp on the male and female part for securing to the hose; no band required; for $\frac{1}{2}$ - and $\frac{3}{4}$ inch hose; mention which is wanted when ordering. 35c. per pair (by mail, 40c.); doz., \$3.75 (by mail, \$4.00).



No. 2 Snap Coupling

COUPLINGS SNAP HOSE

Snap Couplings are entirely new and novel. They couple hose instantly, work on a spring, and are water-tight. 35c. per pair; doz. pairs, \$3.75 (by mail, \$4.00). Washers, 25c. per doz.

SNAP COUPLING PARTS

No. 2. Male. 17c. each; per doz., \$1.70 (by mail, \$1.85). No. 1. Female. 25c. each; per doz., \$2.50

(by mail, \$2.65).









HOSE BANDS

For fastening couplings and menders.

CALDWELL'S

If wanted by parcel post, add 15c. per gross for postage.

Νo. Doz. GrossFor 4-ply hose.....\$0.40 \$3.50 6. For 3-ply hose..... .40 3.50

SURE GRIP

Can be furnished in 1/2-inch, 5/8-inch and 34-inch, either size, 5c. each; doz., 45c. (by mail, 55c.).

No. 68. SIAMESE HOSE CONNECTION



This permits one lead of hose to be diverted in two directions. Additional three-way connections can be used according to the water pressure. It is specialadapted for lawn inkling. Price, 85c. sprinkling. each (by mail, 95c.).

HOSE REDUCERS

For reducing 1-in. pipe to fit regular ¾-in. hose. Each, 70c. (by mail, 80c.).



HOSE REELS



Meon Hose Reel

Meon Reel. Made entirely of steel; very strong; easy to operate, the reel acting both for winding and wheeling.

No. A1.	90 It.	capacity	
No. A2.	130 ft.	u	3.50
No. A3.	180 ft.	"	4.00

WIRT'S REEL

(All Iron)

Indestructible; light in weight.

No. 10. Holds 100 ft. of 3/4 in. hose, \$6.00.

No. 20. Holds 159 ft. of $\frac{3}{4}$ in. hose, \$6.50.

No. 30. Holds 400 ft. of 3/4 in. hose, \$9.00.



Wirt's Reel

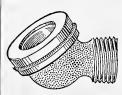
VICTOR REEL Constructed with channel steel frame;

cast iron wheels; solid steel reel arms: heavy corrugated steel drum. Holds 100 feet of 3/4 inch hose, \$3.50 each.



NOZZLE HOLDER

For sticking in the ground while one continues with other work. Made of galvanized heavy wire. Price, 20c. each (by mail, 30c.).



HYDRANT ATTACH-**MENTS**

For attaching hose to smooth faucets. No. 2. For small spigot, 60 mail, 70c.). 60c. (by

No. 3. For large or standard spigot, 65c. (by mail, 75c.).

BINKS NOZZLE

Made of aluminum. with brass face; equipped with interchangeable sprays, coarse and fine. It makes watering pos-



sible without wetting the hands. Positively the best and most indestructible nozzle made. \$3.00 each; worth twice the price (by mail, \$3.15).



BOSTON SPRAY NOZZLE

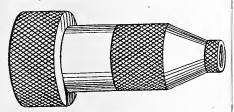
(For 34-inch Hose)
Light Copper. \$1.35
(by mail, \$1.50).

Heavy Brass. \$1.35 (by mail, \$1.50).

PERFECTION HOSE NOZZLE

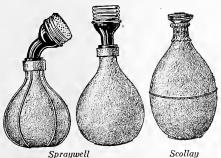


Champion. A dandy nozzle for greenhouse use; makes a spray or a solid stream; easily adjusted. 55c. each (by mail, 65c.).



RAINBOW NOZZLE

Makes a full stream or fine spray, which can be changed by a slight turn of the finger; positive shut off; no leaks; nothing to wear out. Price, \$1.00 (by mail, \$1.10).



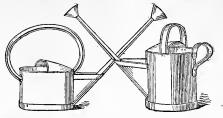
RUBBER SPRINKLERS

Spraywell style in either straight or crook neck

No. Each
1. Spraywell Style. 6 oz. capacity. \$0.85
2. Spraywell Style. 8 oz. capacity. 1.00
3. Spraywell Style. 10 oz. capacity. 1.15
1. Scollay. 10 oz. capacity 1.40
If wanted by parcel post, add 10c. each
for postage.

RUBBER APRONS

For watering, etc., made of extra heavy material; brass eyelets. \$2.25 each.



WATER CANS (Wotherspoon's) Extra Heavy-With Long Spout-Will

Last for Years Each Wotherspoon can comes equipped with two roses, one coarse and one fine.

	Round Oval
4 quart	\$4.70
6 quart	. 5.00 \$5.95
8 quart	5.65 6.25
10 quart	. 6.25 6.90
12 quart	. 6.60 7.20
16 quart	. 7.20 8.15
4 quart Fern or Low Waterin	g
Can	
If Wotherspoon watering ca	ns are wanted

by Parcel Post, add 35c. for mailing.

EXTRA ROSES OR SPRAYS

For Wotherspoon Watering Can, either coarse or fine, 60c. each (by mail, 70c.).

IRON CLAD WATER CANS

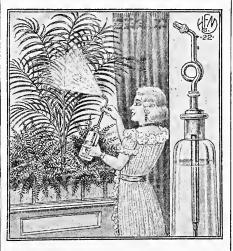
Made of light galvanized iron.

made of fight gaive	aı
4 quart \$1.00	
6 quart 1.10	
8 quart 1.25	
10 quart 1.40	1
12 quart 1.50	
16 quart 2.10	
If Iron Clad Water	

Cans are wanted by Parcel Post, add 25c for mailing.



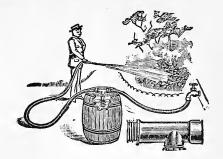
Iron Clad



Misto Bottle Sprayer

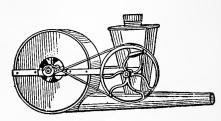
THE MISTO BOTTLE SPRAYER

An ideal sprayer for applying various insecticides to house plants. Makes a fine mist, avoiding all drip; so simple in design it will last forever; nothing to get out of order; made of metal, nicely nickeled; can be used in connection with most any ordinary bottle. Guaranteed in every respect or money back. Price, without bottle, \$1.00 (by mail, \$1.15).



LIQUID MANURE DISTRIBUTOR

This can be attached to hose with which you are watering and, connected with a barrel of liquid manure, the suction of water will draw a quantity of manure with it. \$2.75 each (by mail, \$2.90).



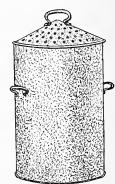
SULPHUR BLOWER

For distributing sulphur and insecticides of various kinds. Made of heavy metal with no wearout to it. A man can dust a very large house in a few minutes, using one of these blowers. Price, \$8.00 (by P. P. \$8.50).

VAPORIZING LAMP

Practical and indestructible; all metal; burns kerosene; used for dispensing fumes of Nikoteen and other preparations of this sort. 80c. each (by mail, 90c.).





Vaporizing Lamp

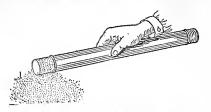
Perfection Fumigator

FUMIGATORS Perfection Make

Fitted with a water tank to prevent burning out. No. 1 for house 12 x 40 ft..........\$7.00 No. 2 for house 14 x 100 ft..... 8.50

Eureka Make

No.	1	for	house	10	x.	20	ft					\$5.25
No.	2	for	house	12	х	40	ft					6.25
No.	3	for	house	15	х	100	ft					7.00
No.	4	for	house	20	х	100	ft					8.00



DICKEY DUSTER

Excellent for distributing Bug Death, Slug Shot, etc. Price, 50c. (by P. P., 60c.).



WHIRLWIND POWDER GUN

For distributing dry powder. Price. (by P. P., 45c.).



VERMOREL DUSTER

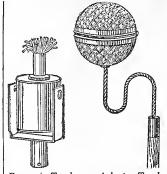
The flow being intermittent, this type is commonly called a "puffer"; for general use it is most serviceable. Capacity, 6 quarts, dry measure. For dusting sulphur or sulphur and arsenate mixtures, arsenate of lead, bordeaux mixtures, lime, etc. Simple in construction, easy to operate, efficient in its

Single Action. This being of the bellows type has no wheels, cogs, belts or other complicated mechanism that would be likely to wear. Equipped with fine and coarse screens, also strap for carrying. \$15.00 (by P. P., \$15.75). Price,

Double Action. The flow from this type being continuous, it is better adapted for certain work, especially where growth is thick. Price, \$22.00 (by P. P., \$22.75).

A complete line of Insect Destroyers will be found on pages 186 and 187.

Our Garden Tool and Sundries Department we believe to be the most fully equipped of any seed store in the United States. Most every article of real merit for horticultural work will be found here, and of the best quality.



Reservoir Torch

Asbestos Torch

OIL TORCHES

For burning out worms, caterpillars and other tree pests.

Each By P.P. Reservoir.....\$0.50 \$0.60 Asbestos..... .60 .70

POLES FOR TORCHES, Etc.

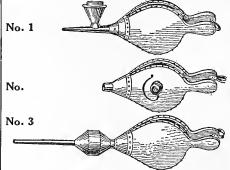
Hardwood, 12 feet, \$2.75; 14 feet, heavy, \$3.00.

Bamboo. 16 feet, 50c. each;

doz., \$5.50; \$40.00 per 100. 18 feet, 60c. each; doz., \$6.50; \$50.00 per 100. 20 feet, 75c. each; doz., \$7.50; \$60.00 per 100. Poles are not mailable.



WOODASON HAND BELLOWS



Price By P.P. Large double cone \$6.75 Large single cone 4.75
No. 1. Small single cone 3.25 5.00 3.50 No. 2. Sulphur bellows..... 4.00

PARIS GREEN SHAKERS

For dusting vegetables, potatoes, small fruits and shrubbery.



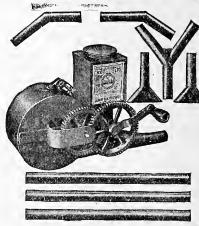
B. D. STYLE

For applying dry insecticides, such as Bug Death, Slug Shot, Paris Green, etc.; made of tin; practical and durable, 80c. each (by P. P., 95c.).

DUSTER BROWN DUSTER

A practical duster of new design. For spraying dry insecticides. For illustration and full description, see page 175.

No. 2B. No. 2C.



UTILITY DUSTER

Used for the application (in dry form) of Arsenate of Lead, Paris Green, etc. Made of heavy tin, enameled red; iron and brass ma-chined gears. Provided with tubes, connections and nozzles as illustrated; also an adjustable carrying strap. Price, \$11.50 (by P. P., \$12.00).

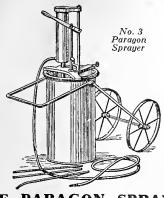
ERADO WEED GUN

(See cut to right.)

As handy as a cane, which it resembles. Fill the reservoir, which holds about 2 quarts of liquid, with some weed-destroying preparation, diluted and used for destroying weeds of all kinds in lawns without hurting the grass. Press the sharp point of the gun into the heart of the weed until the flat stay pieces touch the ground, when a quantity sufficient to kill is discharged into the heart of the description, see page 175.

Capacity, 1 pint\$1.00 (Galvanized iron.) Price, \$1.25 (by Capacity, 1 quart 1.20 P. P., \$1.40).

MICHELL'S SPRAYING APPARATUS



PARAGON SPRAYER

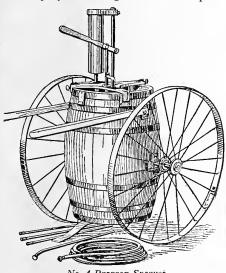
Especially desirable for the reason that it is not necessary to strain the material before pouring it into the reservoir, although we recommend that this be done; guaranteed to give absolute satisfaction. Excellent for applying whitewash or paint.

applying whitewash or paint.

No. 0. Capacity, 3 gallons; equipped with 4 ft. of hose, one 3-ft. extension pipe and 2 spray nozzles. Price, \$12.50.

No. 1. With a 5-gal. reservoir, 5 ft. of hose and 2 extension pipes, \$17.50.

No. 3. Equipped with a 12-gal. tank mounted on a truck, three 2½ ft. extension pipes, 2 nozzles and 10 ft. of hose, \$25.00. Without truck, \$21.50. We can also supply this sprayer with single wheel at same price. this sprayer with single wheel at same price.



No. 4 Paragon Sprayer

Mounted on a two-wheel truck; equipped with 10 ft. of extension pipe, 20 ft. of hose and 2 nozzles. 25-gal. barrel, complete, \$39.50.

No. 5. Capacity of barrel 50 gallons, equipped with 25 ft. 6-ply hose, 1 10-ft. iron extension pipe, 1 3-way nozzle and 1 single spray nozzle, no truck, \$45.00.

Bucket Washers for Paragon Sprayers, 30c.

Fittings for Paragon Sprayers						
No.	Price					
E85.	2-way Spray\$2.50					
B35.	Extension Pipes 60					
E86.	Y Fitting 1.00					
B 7.	Hose Coupling, Complete 1.10					
B18.	Strainer 1.25					
B10.	Female Hose Coupling					
B20.	Stop-Cock 1.00					
B24A.	Mist Spray Nozzle with S. and B90					
B22.	Brass Hose Bandseach .10					
Wec	an also supply other fittings for above					

Sprayers.

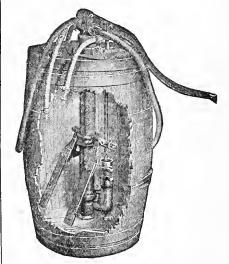
GOULD'S FRUITALL BAR-REL PUMP. Fig. 1188

A high-grade pump at an attractive price, within the reach of every one who has need for such a pump. 2 in. diameter cylinder. Bronze wearing parts. Plain pump, no hose, nozzle or barrel, \$12.00.

Outfit C.—With agitator, one 15 ft. lead of ½ in. spray hose and one Mistry Jr. nozzle (no barrel), \$18.00.

Outfit D.—With agitator, two 15 ft. leads of ½ in. spray hose and two Mistry Jr. nozzles (no barrel), \$24.50.

Barrels for holding spray solution, 50 gal. capacity, \$6.00 each.



GOULD'S POMONA BAR-REL PUMP. Fig. 1100

Can be used for feeding one or two leads of hose; all working parts are bronze, with lasting qualities. Plain pump, 21/2 in. diam. cylinder only, \$22.00.

Outfit C.—With one 15 ft. section ½ in. spray hose and one Mistry Jr. nozzle (no barrel), \$27.50.

Outfit D.—With two 15 ft. sections ½ in. spray hose and two Mistry Jr. nozzles,

Barrels for holding spray solution, 50 gal. capacity, \$6.00 each.



JIM DANDY HAND SPRAYER

Adapted for spraying vegetables and flowers, small fruits, etc.; also valuable for spraying disinfectants in buildings. Price, \$3.50 (by mail, \$3.70).

AUTO SPRAY

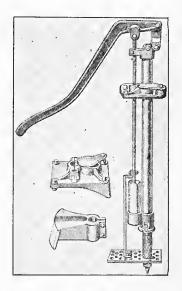
This operates by compressed air; safe and efficient; liquid capacity four gallons; pressure capacity, 40 lbs. They will successfully spray bushes, shrubbery and trees, the latter with the use of extension pipes. The brass tank sprayer is the best as corrosive solutions can be used in it without injuring the same.



No. 1-B.—Brass; equipped with hose and Auto-Pop Attachment, \$10.00 (by P. P., \$10.30).

No. 1-D.—Galvanized Iron; equipped with hose and Auto-Pop, \$7.00 (by P. P., \$7.30).

Auto-Pop Nozzle Attachment; controls the flow instantly by a pressure of the hand. When Auto-Pop Attachment is purchased separately: Plain, \$1.50 each (by P. P., \$1.60. \$2.50 complete with hose (by P. P., \$2.65).



SPRAYRITE HAND BARREL PUMP

All metal agitator; all brass valve; solid brass pump; strong in construction and designed for ease of operation.

No. 72. With clamp to fasten to head of barrel.....\$13.00

No. 720. With clamp, also 15 feet special spray hose and three spray



DEMING KNAPSACK SPRAYERS

These are elegant for carrying around the garden, among shrubbery and tree work, etc. Fig. 675. Copper tank, holding about 5 gals., complete with pump, nozzle and hose, \$22.00 (by P. P., \$22.50).

Fig. 654. Galvanized tank, holding about 5 gals., complete with pump, nozzle and hose, \$15.50 (by P. P., \$16.00).



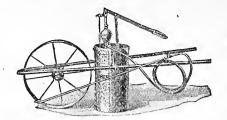
VERMOREL KNAPSACK SPRAYER

A new copper knapsack sprayer which works on a compressed air principle. Compact in construction and light in weight, so that it can be easily carried around. We will sell this sprayer under the condition that if it is not satisfactory it may be returned at our expense. Price, \$22.50 (by P. P., \$23.25).



ROBERTSON POTATO SPRAYER

Distributes the spray solution on the top and underneath the foliage of potato vines and other plants. Made of galvanized iron, in a substantial manner. Price, \$1.75 (by P. P., \$1.90).



DEMING WHEELBARROW SPRAYER

A machine that is nicely balanced and easily transported. Extreme width 18 inches; narrow enough to go through the aisles of a greenhouse, 24 in. wheel with a 3 inch tread, making it easily handled over soft and rough ground. Pump has $1\frac{1}{2}$ in. diam. cylinder, with adjustable stroke. Equipped with 12-gal. galvanized tank, 10 ft. hose, 4 ft. extension pole, nozzle and shut off valve. Price, \$33.00.



This is the best hand sprayer ever offered, very easily operated, especially preferred by the ladies.

Tin. Each, \$1.00 (by P. P., \$1.15). Brass. Each, \$2.00 (by P. P., \$2.15).



CYCLONE HAND SPRAYER

Similar to the above, except they do not have the automatic air reservoir attachment.

No. 112, Tin, large, 50c. (by P. P., 60c.). No. 114, Brass, \$1.00 (by P. P., \$1.10).



HEAVY BRASS SYRINGES

No.	Diam.	Length	Price B	v P.P.
99.		. 18 in. 1 spray	\$3.75	\$4.00
101.	$1\frac{1}{4}$ in.	. 14 in. 2 sprays.	4.25	4.50
101A		. 16 in. 2 sprays.		5.25
110.	$1\frac{3}{4}$ in.	. 20 in. 2 sprays.	10.50	10.75
120.	$1\frac{3}{4}$ in.	.20 in.Adjustable	e11.00	11.25



EXTENSION PIPES, ETC.

Paragon Extensions, $2\frac{1}{2}$ ft., 60c. each. (by P. P., 70c.).

A complete line of Insect Destroyers will be found on pages 186 and 187.

BUCKET SPRAY PUMP



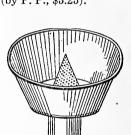
These are made entirely of brass, except the foot rest and hand grip. The prices below do not include bucket, but include nozzle and $3\frac{1}{2}$ feet of $\frac{3}{8}$ -in. hose.

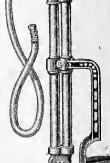
No. 256. Success (without bucket fastener), \$7.75 (by P. P., \$8.25).

No. 689. Perfect Success (with bucket fastener), \$8.25 (by P. P., \$8.75).

No.327½MYER'S BUCKET PUMP

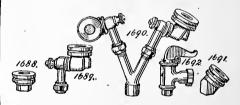
This is a double brass chamber arrangement, and fills the want of those desiring a medium priced sprayer. Price, \$5.00, including hose and nozzle. (by P. P., \$5.25).





COPPER STRAINER

For straining whitewash, spraying material, etc., \$1.50 each (by P. P., \$1.65).



SPRAY NOZZLES (3/8-in. Thread)

Mistry, Jr., Fig. 1688, Straight style...\$1.20 Mistry, Jr., Fig. 1691, Elbow style.... 1.20 Mistry, Fig. 1689, Single nozzle, adjust-

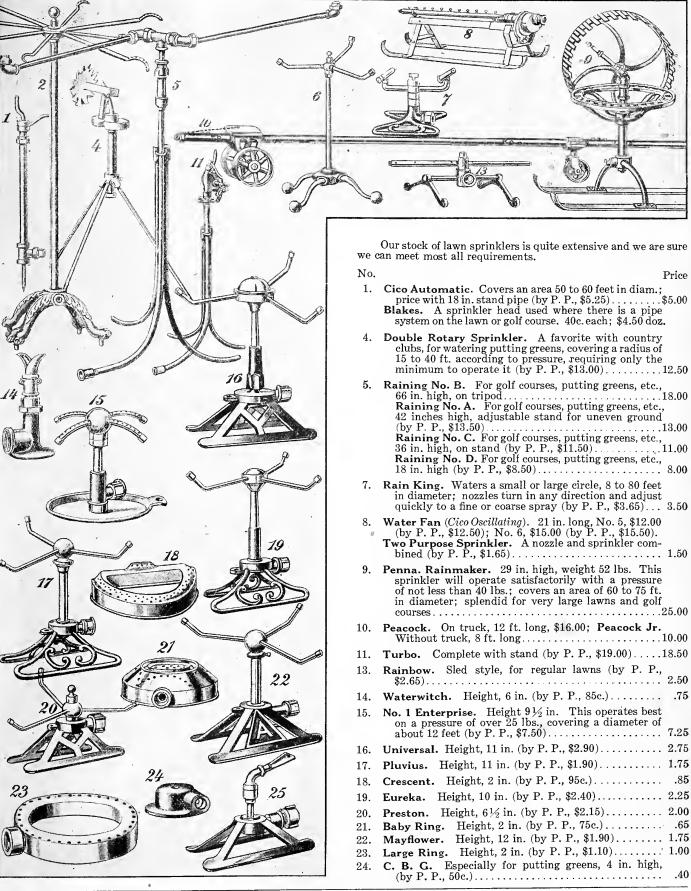
Bordeaux Nozzle, Fig. 1692, each 1.15 If nozzles are wanted by P. P., add 10c. each for postage.

If nozzles are wanted for $\frac{3}{4}$ -in. hose connections, add 70c. to above prices for Fig. 966 combination.

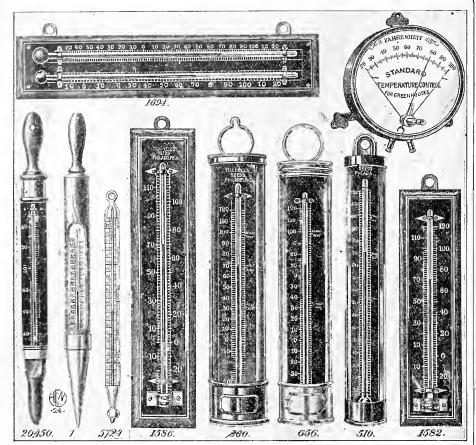


STOTT'S SPRAY NOZZLES

Splendid for spraying underneath foliage.
Single (by P. P., \$1.75) \$1.65
Double (by P. P., \$2.85) 2.75



MICHELL'S GREENHOUSE ACCESSORIES, ETC.



THERMOMETERS

No. 1694. Maximum and Minimum. Registering the coldest and the warmest point during the previous night. Price, \$4.00 (by P. P., \$4.15).

TESTED THERMOMETERS

Lacn
No. 506— 8 inch, Tin Case\$0.85
No. 510—10 inch, Tin Case 1.00
No. 556— 8 inch, Greenhouse 1.00
No. 560—10 inch, Greenhouse 1.25
No. 652—8 inch, Genuine Copper Case 2.00
No. 656—10 inch, Genuine Copper Case 2.25
No. 1582—8 inch, Wood Back, Black
Scale 2.00
No. 1586—10 inch, Wood Back, Black
Scale
If Thomas and wonted by Parael

If Thermometers are wanted by Parcel Post, add 10c. for mailing.

GLASS DAIRY THERMOMETERS

No. 5724. For testing milk, etc., also used for soil purposes. 40c. each (by P. P., 50c.).

MUSHROOM OR HOTBED THERMOMETERS

No. 20450. Iron Point, each, \$2.25 (by P. P., \$2.40).

No. 1. Brass Point, Wood Case, each, \$3.00 (by P. P., \$3.15).

RECORDING THERMOMETER

No. 200. This type of thermometer which can be equipped with either a daily or weekly chart enables one to keep an accurate record of the temperature in his greenhouse during every hour of the day and night; the ther-mometer is equipped with a high grade clock and ink stylus which marks very accurately. It is an ideal installation; in ordering state if weekly or daily record chart is desired. Price, \$45.00, by express. Per gal., \$1.75.

ELECTRIC THERMOSTAT

This device can be set to ring an alarm when the temperature goes above or drops below a desired point. All brass. No. GH3, not waterproof style, \$11.50 (by P. P., \$12.00). No. GH4, waterproof style, \$17.50 (by P. P., \$18.00.) See illustration above.



PEERLESS **GLASS REPAIR**

For supporting broken lights of glass. Will not rust. Price, \$1.75 per 100 (by mail, \$1.85).



GLASS CUTTERS

	Single Wheel, steel, each \$0.20
I	6 Wheel, steel, each
l	No. 8 Small Diamond. Ebony handle. 4.50
l	No. 8A Large Diamond. Mahogany
I	handle 5.75
I	If Glass Cutters are wanted by Parcel

Post, add 10c. for mailing.

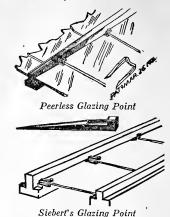
LIQUID GLAZING PUTTY

Superior to ordinary putty, more easily applied and lasting. Can be put on with a putty bulb or mastica machine.

Especially adapted for glazing wood and metal sash. Per gal., \$2.50.

MASTICOTE GLAZING **CEMENT**

Apply with a mastica machine. Black.



GLAZING POINTS

Peerless. Three sizes. No. 1, for single thick glass. No. 2, for single thick glass. No. 2½, for double thick glass. Price, 65c. per 1000 (by mail, 75c.).

Pincers. For driving Peerless Points, 60c. (by mail, 70c.).

Siebert Style (Zinc). Made with a prominent head; cannot rust; easily driven. 5%, % and % inches long. 50c. per lb. (by mail, 60c.); 5 lbs., \$2.40 (by mail, \$2.60). 1000 to 1200 in a lb.

Zinc Glazing Nails. 45c. per lb. (by mail, 55c.).

MASTICA

For glazing greenhouses. One gallon will cover about 300 running feet. Gal., \$2.50.

GREENHOUSE PAINT

A superior white paint for sash bars, sash frames, etc. Per gal., \$3.25.

PUTTY DISTRIBUTOR

For distributing putty, mastica, etc. Price, \$1.50 (by mail, \$1.65).



Mastica Machine

Putty Distributor

MASTICA MACHINE

For distributing mastica, etc. Made of heavy zinc. Price, \$3.00 (by mail, \$3.15).

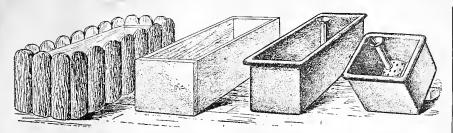
WEATHERCRAFT **GLAZING GUN**

For applying liquid glazing putty, mastica, etc., each, \$8.00 (by P. P., \$8.25).

DAYLIGHT GLASS CLEANER

For taking off whitewash shading, etc. Apply with a brush, leave on a few minutes and rinse off with cold water. One gallon will clean 400 to 600 square feet of glass. Per gal., \$2.75; \$11.00 per 5 gals.

RUSTIC FURNITURE, WINDOW AND PORCH BOXES, ETC.



Rustic Window Box

Plain Window Box

Savo Window Box

Savo Plant Tub

WINDOW BOXES

Plain Wood Style (Painted Green). We recommend these for use at the temporary summer home in the country or at the seashore, or in cases where one may not feel like spending a larger cost than these entail. They are substantially made and finished and will last many years.

Length	Depth outside	Width outside	Price
24-inch	$\dots 6\frac{1}{2}$ -inch	8-inch	\$1.50
30-inch	6½-inch	8-inch	1.75
36-inch	$\dots 6\frac{1}{2}$ -inch	8-inch	2.00

Any length made to order, 80c. per running foot, 8 inches wide.

WINDOW BOXES

Wooden Rustic Bark Style. Attractively made and neatly finished; for indoor or outdoor use.

Depth	Width	
Length outside 24 -inch $7\frac{1}{2}$ -inch	outside	Price
24-inch \dots 7 ½-inch	11-inch	\$1.75
30 -inch $7\frac{1}{2}$ -inch	11-inch	2.25
36-inch 7½-inch	11-inch	2.50
A see I have made a see all a de-	I @1 AA	

Any length made to order, \$1.00 per running foot, 11 inches wide.

RUSTIC BARK (Cedar)

For covering boxes, columns or any other article. Per sq. ft., 12c.; \$2.75 per 25 sq. ft.; 50 sq. ft., \$5.00.

WINDOW BOXES Savo Self-Watering

The Savo Flower and Plant Boxes are made of the best grade of galvanized steel, with neat round corners and a full roll rim; the watering is easy, the drainage ample, the air circulation perfect. The green enamel finish both inside and out prevents rust or leakage. They will last in constant use many years. Reservoir requires water about every 10 days to two weeks.

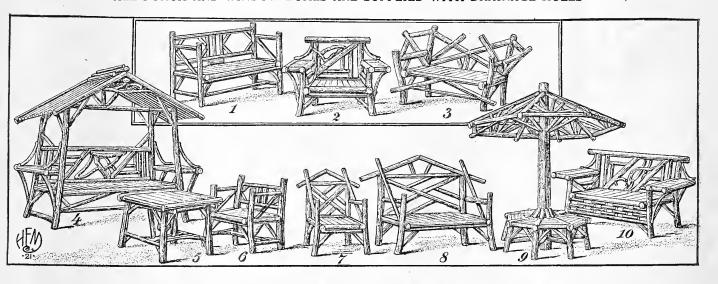
	Hei	ght	Width	Length	Price
Model A,	6^{1}	2 in.	$6\frac{1}{2}$ in	n. 23 in.	\$3.25
Model B,	8	in.	9½ in	n. 29 in.	4.00
Model C,		in.	$9\frac{1}{2}$ in	n. 35 in.	4.50
Model D,	8	in.	9½ in	n. 41 in.	5.00
Model E,	8	in.	12 in	n. 12 in.	3.00
Model F,	12	in.	12 in	n. 12 in.	3.50

These are outside measurements, including the 34-inch roll rim.

THE SAVO Self-Watering Plant Tub

Model E-12x12-in.x 8-in. deep\$3.00 Model F—12x12-in.x12-in. deep 3.50 If wanted by P. P., add 35c. each for mailing Savo Window Boxes and Tubs.

ALL PORCH AND WINDOW BOXES ARE SUPPLIED WITH DRAINAGE HOLES



RUSTIC PORCH AND GARDEN FURNITURE

A rustic chair, settee, table or canopy add charm to the surroundings of a country home, be it pretentious or modest. Our stock is in good assortment and priced very moderately. We are also in position to make special designs of rustic work, such as summer houses, bridges, etc. We will refer to these in description and price both by number and name so they may readily be identified.

No. 1. Mission Settee. 4 ft. long, similar in design and construction to "Klondyke," except it does not have the extended arms. Price, \$11.00.

No. 2. Klondyke Chair. Width, 48 inches, including arms; very roomy and comfortable. Price, \$7.00.

No. 3. Florida Settee. 4 ft. long; similar to "Elwood" style,

except there is a difference in the design of the back. Price, \$5.00.

No. 4. Canopy Settee. This is rather an extensive affair, weighing 250 lbs.; is shipped in two sections, but is easily set up; equipped with wide arms which can be used for plant boxes, etc.; will seat 4 persons comfortably. Extremely attractive and will add materially in beautifying the suburban home grounds. Price, \$35.00. No. 5. Mission Table. A table will be found a great con-

venience in a summer house, on a porch or under the shade of a tree; the top is 28 x 28 inches. Price, \$8.50.

- No. 6. Mission Chair. The construction of this is like the settee bearing the same name, except it seats one person. Price, \$7.00.
- No. 7. Elwood Chair. An attractively designed, reasonably priced piece of furniture. Price, \$3.00.
- No. 8. Elwood Settee. 4 ft. long; made with a high back and apex finish; extra good value for the money. Price, \$5.00.
- No. 9. Japanese Umbrella. Shipped in two sections, but easily erected; has a large seating capacity. The umbrella design top adds distinctively to its appearance. Can be supplied with a lattice or open top like illustration or with a slab top. Price, with slab roof, \$40.00.

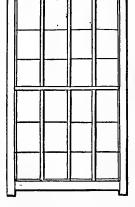
No. 10. Klondyke Settee. 5½ ft. long; of attractive design, and made in the most substantial manner. Price, \$11.00.

174 MICHELL'S GARDEN AND GREENHOUSE ACCESSORIES, ETC.

HOT BED SASH

Philadelphia Style. Made of best quality cypress. Size, 3 feet 1½ inches wide, 6 feet long, 1¾ inches thick. Plain, not glazed or painted. Each, \$4.25.

Glazed, including painting and puttying. Each, \$8.50.



Sunlight Style. Plain, unglazed. Each, \$5.25. Glazed and painted. Each, \$13.25.

Crating Charges on all Glazed Sash, 50c. per sash additional.



HOTBED MATS

Hotbed mats keep frost and severe cold out of frames. They mean earlier and bigger crops. The Burlap style are the best mats that it is possible to procure. They are padded with shoddy and are practically indestructible.

Burlap, Non-Waterproof. 76 x 76 inches, covering two regular size sash. Each, \$3.75; \$38.50 per doz.

Burlap, Non-Waterproof. 40 x 76 inches, for one sash. Each, \$2.50; \$26.50 per doz.

Burlap one side, Waterproof Drill one side. 76 x 76 inches. \$5.25 each; doz., \$57.50.

Burlap one side, Waterproof Drill one side, 40 x 76 inches. \$3.25 each; doz., \$33.00.

Burlap Hot Bed Mats if wanted by P. P., add 25c, per mat for postage.

add 2001 por and	at 101 passaget	Each
Straw Mats.	3 x 6 feet	
	6 x 6 feet	

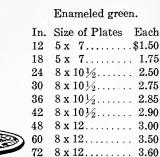
Special size Hotbed Mats to order; any length, but only in 76-inch widths. 15c. per sq. ft.

SHADING OR PROTECTING CLOTH

Largely used as a substitute for glass where protection is desired. It is admirable for summer use, protecting plants, etc., from the sun and at the same time allowing ventilation. Made of brown cloth.

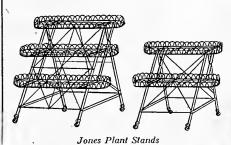
Ulitable 143	auc or brot		
	Yards	Price	Price
	Per piece	Per yard	Per piece
Light	. 60	\$0.20	\$11.40
Medium	. 50	.25	12.00
Heavy	. 40	.35	13.20

IRON PLANT STANDS



EXTRA PLATES FOR IRON STANDS

	Each		Each
5 inch	\$0.45	8 inch	. \$0.60
7 inch	50	$ \begin{array}{ccc} 8 & \text{inch} \\ 10\frac{1}{2} & \text{inch} \end{array} $	80
	12 inch, each	\$0.95	



WIRE PLANT STANDS

Painted dark green and finished in bronze. Very substantial and will carry most any weight that can be placed on them. We recommend the Jones style, as it is collapsible and takes up very little space when not in use.

Jones, 2 shelf..\$5.00 | Jones, 3 shelf..\$6.00

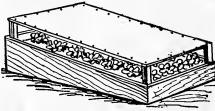
JONES' POT BRACKET

No. 1. Holds 5-inch pot. Each, 60c. (by P. P., 70c.).

No. 2. Holds 6inch pot. Each, 70c. (by P. P., 80c.).

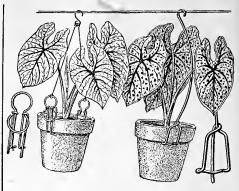
No. 3. Holds 7inch pot. Each, 85c. (by P. P., 95c.).





Shading or Protecting Cloth

For prices, see left hand column.



Krick's Eureka

POT HANGERS

Krick's No. 1. For 3- to 5-in.		2020
pots\$0	.07	\$0.75
Krick's No. 2. For 6- and 7-in.		
pots	.08	.85
Krick's No. 3. For 8- to 10-in.		
pots	.09	.95
If wanted by parcel post, add 10	c. pe	er doz.
for postage.		

Eureka. Suitable for any size pot up to 8 inches. Made of galvanized wire. 15 inches long. 20c. each (by P. P., 25c.); \$2.00 per doz. (by P. P., \$2.20); \$12.50 per 100.

HANGING BASKETS Galvanized Wire

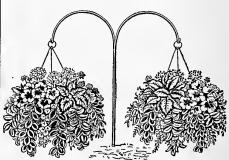
Each Doz.

For greenhouse, porch and conservatory.

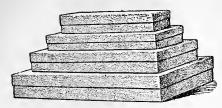
Size	Each	Doz
8 in	\$0.30	\$3.00
10 in	.45	4.50
12 in	.65	6.50
14 in	.75	7.50
16 in	90	9.00

If wanted by P. P., add 10c. per basket or 50c. per doz. for postage.





BASKET HOOKS



CUT FLOWER BOXES CORRUĞATED PAPER

These are desirable for shipping cut flowers from country estates to city residences, very durable. Each Doz. 48 x 14 x 8 inch.....\$0.65 \$6.50 6.00 36 x 14 x 6 inch..... 5.50 .55 .45 4.50 30 x 12 x 6 inch..... 4.00 .40 24 x 8 x 5 inch. If wanted by Parcel Post add 10c. each for postage.

LIGHT WEIGHT PAPER

Mist green, lined white inside. The sizes offered in this finish are carried in stock, other sizes in this finish, also in manila, mist tan and oxford gray can be supplied on short notice.

DILOTO ILOU.			
L. W.			
18 x 5 x	3 inch	. \$0.70	\$5.00
	3½ inch		7.00
	4 inch		9.25
	5 inch		13.00
	6 inch		
	7 inch		
	5 inch		
We car	also supply other size	zes and	styles

If wanted by Parcel Post, add 15c. per doz. for postage.

of boxes.

PAPER FOR WRAPPING BOXES AND FLOWERS

CREPE PAPER

(Waterproof)

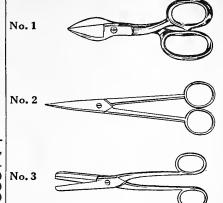
Colors, green, red and lavender, 50c. per roll.

If wanted by Parcel Post, add 10c. for postage.



ROOFING PAPER, ETC.

Sq. ft. Per roll
Celery Paper
Marley Rubber Roofing, 1-ply. 108 2.50
Marley Rubber Roofing, 2-ply. 108 3.30
Marley Rubber Roofing, 3-ply. 108 3.50
Caps for paper. 1 lb., 12c. (by parcel post,
20c.); 5 lbs., 55c. (by parcel post, 70c.).
Nails for paper. 1 lb., 12c. (by parcel post,
20c.): 5 lbs., 55c. (by parcel post, 70c.).



Key to illustrations: No. 1, Wire and Tin Shears; No. 2, Grape Scissors; No. 3, Flower Scissors.

WIRE AND TIN SHEARS

No. 833. $7\frac{1}{2}$ inch, used for cut flower
wire, etc\$1.10
No. 832. 8 inch, used for cut flower
wire, etc 1.15
No. 12. 8 inch for heavy wire and tin. 1.35
No. 10. 10 inch for heavy wire and tin 1.75
If wanted by Parcel Post, add 10c. each
for postage.

GRAPE SCISSORS

For thinning out bunches of grapes, and not disturbing the berries that are to remain for development.

No. 6148. 6 inch, \$1.50 (by P. P., \$1.60).

FLOWER SCISSORS

No. 1922. Cuts flower and holds the stem. Price, \$1.75 (by P. P., \$1.85).



AUTOMOBILE HEATERS

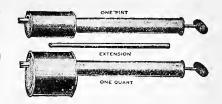
These will keep the temperature very comfortable in closed vehicle during the severest weather.

No. O. Single drawer, plain, 14 in. long. \$3.25 each (by parcel post, \$3.50).

No. 7B. 20-in., single drawer, covered with Brussels carpet. \$5.50 each (by parcel post, \$5.75).

No. 10. Three drawers. \$9.00 each (by parcel post, \$9.50).

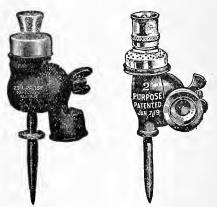
Coal for automobile heaters. \$1.25 per doz. (by parcel post, \$1.40); per 100 bricks, \$8.50.



DUSTER BROWN DUSTER SINGLE ACTING

A very practical duster of new design; it is of simple construction and works on a new principle recently discovered; made in two sizes, pint and quart. It is of sufficient length to enable the operator to spray ordinary field crops without bending over. For spraying dry insecticides, such as Arsenate of Lead, Bordeaux Mixture, Bug Death, Paris Green, Hellebore, Slug Shot, etc., on small garden plots, rose bushes, or in any place where the various dry powders is to be applied in small quantities.

No. 2B.	Capacity 1 pint\$1.00
No. 2C.	Capacity 1 quart 1.25



For use as a hose For use as a stationary spray

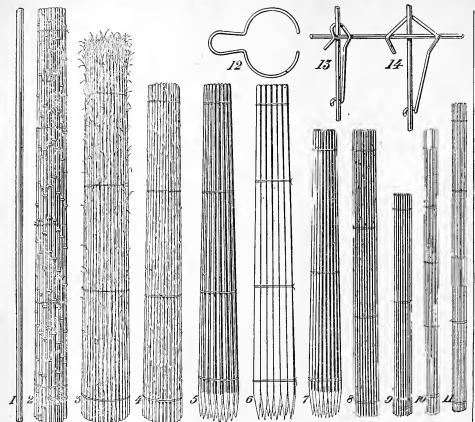
2-PURPOSE SPRINKLER

A combination Hose Nozzle and Garden Spray. Nothing to get out of order; no leaking at connections; strong, sturdy and simple in design and construction. As a hose nozzle it gives any desired spray from a fine mist to a powerful compact stream, just by turning nozzle mouth. Loosen wing nut and give hose connection only quarter turn to change from nozzle to stationary spray—or vice versa. Adapted to lawns or gardens of any size and operates efficiently under any water pressure. Range 55 feet from nozzle and 40 feet circle as a garden spray. Price, \$1.50 each.

PARCEL POST SHIPMENTS

Where goods can be shipped in this manner, we have affixed the postage charges opposite. Where remittance accompanies order please include sufficient to cover mailing charges.

MICHELL'S PLANT STAKES, WIRE, ETC.



KEY TO ABOVE ILLUSTRATION: No. 1, Pole for Pruners; No. 2, Bamboo Poles, STAKES; No. 3, Southern Cane; No. 4, Japanese Cane, Natural; No. 5, Dahlia; No. 6, Square; No. 7, Tapering; No. 8, Japanese Cane, green; No. 9, Hyacinth; No. 10, Galvanized Wire, No. 10 wire; No. 11, Galvanized Wire, No. 8 Wire; No. 12, Wire Plant Tie; No. 13, Eureka Stake Fastener; No. 14, Everlasting Stake Fastener.

HYACINTH STAKES

Used for staking hyacinths, tulips and slender plants: dved green

siender plants, dyed green.	
If wanted by Parcel Post, add 5c.	per
doz. and 10c. per 100 and 25c. per 1	
Inch Doz. 100	1000
5\$0.05 \$0.25 \$	1.50
12	2.50
18	3.50

GALVANIZED WIRE STAKES

No. 10 WIRE, LIGHT

Feet			Doz.	100	1000
2			\$0.25	\$1.25	\$9.25
$2\frac{1}{2}$.30	1.60	11.50
3		١	.40	2.00	13.75
$3\frac{1}{2}$	If wanted by		.45	2.25	16.50
4	Parcel Post add	.	.50	2.50	18.55
$4\frac{1}{2}$	20% to the price quoted for postage	1	.55	2.75	22.50
5	quoted for postage		.65	3.00	22.50
$5\frac{1}{2}$		J	.75	3.00	25.00
6			.85	3.50	27.50
7			1.00	3.75	30.00

No. 8 WIRE, HEAVY

IAO. O ANTIK	ونثا	III	LWI	
Feet		Doz.	100	1000
2	9	\$0.30	\$1.60	\$13.00
$2\frac{1}{2}$.40	2.00	16.00
3	7	.50	2.25	18.50
3½. If wanted by	۱	.55	3.00	25.00
4 Parcel Post add	١	.60	3.25	27.50
4½ 20% to the price quoted for postage	۱	.65	3.50	30.00
9	١	.70	3.75	32.00
$5\frac{1}{2}$	ļ.,	.85	4.25	35.00
6		.95	4.75	37.50
7		1.10	-5.00	40.00

TAPERING PLANT STAKES PAINTED GREEN

ı	Feet			Each	Doz.	100
ı	$1\frac{1}{2}$. \$0.04	\$0.35	\$2.10
1	2			06		3.75
ı	$2\frac{1}{2}$	If wanted by	١	07	.75	5.50
ı	3	Parcel Post add		10	1.00	7.00
ı	$3\frac{1}{2}$	20% to the price quoted for postage		11	1.15	9.00
	4	quoted for postage		13	1.40	10.50
	5		١	16	1.85	12.50

ROSE OR DAHLIA STAKES

Round tapering style; painted green.

If wanted by Parcel Post, add 20% to

If wanted by Parcel Post, add 20% to price for postage.

Į	∣ F'ee	t									J	Lac	h	ע	oz.	1	00
	3		 								. 8	\$0.1	13	\$1	.44	\$11	.00
	31/9											.1	5	1	.66	13	3.00
	4											.1	7	1	.92	15	00.6
	5																00.6
	6 *											.2	27	3	.10	23	00.8

SQUARE PLANT STAKES

These are painted green and nicely tapered and finished.

١	Feet			Each	Doz.	100
١	$1\frac{1}{2}$			\$0.04	\$0.35	\$2.10
١	2		ĵ	.05	.55	3.25
١	$2\frac{1}{2}$	If wanted by		.07	.70	4.50
١	3	Parcel Post add	l	.11	1.08	7.50
١	$3\frac{1}{2}$	20% to the price quoted for postage	l	12	1.15	8.50
١	$4^{'}$	quoted for postage		.15	1.40	9.75
	5		<u>.</u>	.20	2.00	14.00
1	6			.25	2.50	16.50

JAPANESE CANE STAKES

These	are very at	tracti	ve for	all pu	rposes
of plant	staking; th	in and	d very	strong	ŗ.
Feet	•	Doz.	100	500	1000
$1\frac{1}{2}$ Green	en	\$0.15	\$0.75	\$3.25	\$5.00
2 "			1.00		7.50
		.25	1.25	4.50	8.50
3 "		.35	1.40	5.00	9.00
31/2 "		.35	1.75	6.00	10.00
5 "		.40	2.00	7.00	12.00
5 "		.50	2.25	7.50	14.00
6 Natur	al	.40	2.00	6.50	12.50

WIRE STAKE TIE (Buschardt's)

For fastening plants to stakes, either wire or wood; can be used many times. 1000 ties in pkg. Price, 12.50 (by mail, \$2.75).

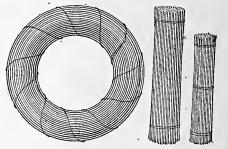
STAKE FASTENERS

These take the place of string entirely, lasting several seasons; used for fastening cross wires to galvanized stakes.

If wanted by Parcel Post, add 10c. per

500; 20c. per 1000 for postage.

			500	1000
	Everlasting Style, heavy	:	\$2.00	\$3.50
١	Eureka Style, light		1.60	3.00
ł	• , •			



WIRE

Allow for	postage if wanted by	mail.	12-lb.
		Lb.	Stone
No. 16.	Galvanized	\$0.20	\$2.00
No. 18.	Galvanized		2.10
No. 19.	Galvanized		2.25
No. 20.	Galvanized		2.35
No. 22.	Galvanized	.28	2.40
No. 16.	Annealed		1.60
No. 18.	Annealed		1.75
No. 20.	Annealed	.24	1.85
No. 22.	Annealed \dots	.26	2.00
No. 24.	Annealed	.28	2.10

TINNED WIRE

Used for bunching celery, etc. No. 19, in 10-lb. boxes, cut $8\frac{1}{2}$ inches, 30c. per lb.; per box, \$2.50.

CUT BOUQUET WIRE For Stemming Flowers

Cut 9, 12 or 18 inches in length.
No. 20, 25c. per lb.; per box, 12 lbs...\$2.25
No. 22, 30c. per lb.; per box, 12 lbs... 2.50
No. 24, 35c. per lb.; per box, 12 lbs... 3.00

BAMBOO POLES

 Used extensively for brushing worm casts off Putting Greens, also for staking young trees.

 Each
 Doz.
 100

 16 feet long.
 .\$0.35
 \$3.50
 \$22.50

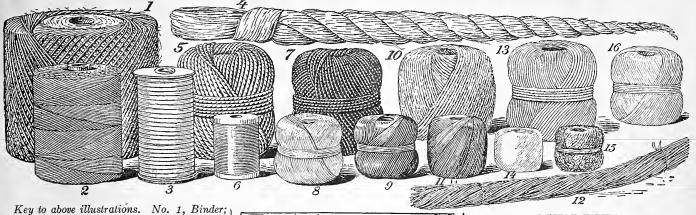
 18 feet long.
 .45
 4.50
 27.50

 20 feet long.
 .50
 5.00
 32.50

Poles (Wood)

					(٠,					
2	feet	long,	11/4	inch	diam					\$2.7	7 {
4	feet	long,	$1\frac{1}{2}$	inch	diam					3.0)(

MICHELL'S HORTICULTURAL AND GARDEN SUPPLIES



No. 2, Peerless; No. 3, Raffialape; No. 4, Raffia; No. 5, Express; No. 6, Silkaline; No. 7, Tarred Marlin; No. 8, Cayuga, No. 1, Tarrea Martin; No. 8, Cayuda, Medium; No. 9, Smilax; No. 10, Jute; No. 11, Green Sea Island; No. 12, Tarred Sisal; No. 13, Japanese; No. 14, Special White Cotton; No. 15, Linen Bouquet; No. 16, Cayuga, heavy.

TWINES, ETC.

	Ball	Lb.
No. 108. White Cayuga	a,	
Medium		\$0.80
No. 208. White Cayuga	а,	
Heavy	40	.80
Jute, 2-ply and 3-ply	18	.30
Linen Bouquet	15	.80
Green Sea Island	15	.85
No. 4½. Japanese Twine	е.	
Medium heavy	35	
White Cotton, 3-ply	15	.70
Peerless. Color, Nile green.		.90
Tarred. For mat making	35	
Tarred Sisal. For fodder		.17
Binder		.22
Express. Very heavy	30	
Green Silkaline. For stringi	ng Smila	ıx and
Asparagus, etc. F, fine;	FF, me	dium;
FFF, coarse.		

Price, per spool, 35c. (by P. P., 40c.). Price, per lb. (8 spools \$2.60) (by P. P., \$2.75). Smilax Twine (Silkaline Substitute). Very similar to the above; fast color. Price, 25c. per spool (by P. P., 30c.); per lb., \$1.50 (by P. P., \$1.65).

RAFFIA

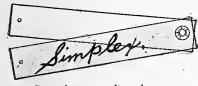
For tying, basket making and fancy

Natural Color, 20c. per lb. (by P. P., 30c.); 5 lbs., 90c. (by P. P., \$1.40).

Green, 65c. per lb. (by P. P., 75c.); 5 lbs., \$3.00 (by P. P., \$3.50).

RAFFIATAPE

This article is made of a composition of paper and linen and is tremendously strong; it is about 1/8 inch wide and is put up in 250-yard bolts or hanks. This is very desirable for tying bouquets, flower boxes or for any other purpose where attractive tying material is desired. Color, Nile green. Per bolt of 250 yards, 90c. (by P. P., \$1.00).



See prices opposite column.



TREE LABELS

If wanted by parcel post, add 10c. per 100 and 25c. per 1000 for postage.

		100	1000
Iron Wired. P	'lain	\$0.35	\$2.2
Iron Wired. P	ainted		2.7
Copper Wired.	Plain	40	2.78
Copper Wired.	Painted	50	3.28
Copper Sheet,	wired, 30c.	doz.; pe	r 100
\$1.75 (by P. P	., \$1.85).	• •	
7inc Sheet wir	ed 30c do	z · nor 100	\$1.7!

Zinc Sheet, witco, (by P. P., \$1.85).
Indelible Marking Pencils. Each, 18c.
POT LABELS

FAINIED FULL	THE NOTE:	LO
	By P.P	
100	per 100	1000
4 inch\$0.35	\$0.40	\$2.25
$4\frac{1}{2}$ inch	.45	2.75
5 inch	.50	3.00
6 inch	.60	3.50
8 inch 1.60	1.70	9.00
10 inch 1.75	1.90	11.00
12 inch 2.25	2.50	14.00
18 inch, for field use 6.25	6.50	57.50
CONTRACTOR TO WATER TO A TRACTOR	OF CE CE	O O T

SIMPLEX WEATHERPROOF PLANT LABEL

The material carrying the writing is white celluloid with a specially prepared surface. This is protected by a transparent cover of Marking done with an ordinary lead pencil is not affected by the most severe weather conditions and will last for years; water entering under the cover will not deface the writing. As often as desired, however the pencil marking may be instantly removed with an ordinary rubber eraser, or washed off with soap and water, and the label used again repeatedly; indelible pencil or ink should not be used for marking. Simplex Weatherproof Labels are adapted for all outdoor garden records; excellent for roses and other shrubs.

Prices, including copper wires for attach-

ing.		
Sizes	Doz.	100
No. 1-3 x ½ inch	\$0.50	\$2.50
No. 2-4 x 3/4 inch	85	5.00
No. 3-5 x 1 inch	. 1.10	7.50
If wanted by parcel post, ad	ld 5c. pe	r doz.;

15c. per 100 for postage. See illustration opposite column.

SUNDRIES

Bulb Fibre. Qt., 15c.; 45c. per ½ pk.; pk., 75c.; \$1.25 per ½ bu.; bu., \$2.00.

Bull Dog Clips. For fastening packages, etc., \$1.25 per box (by P. P., \$1.40).

Carnation Bands (Rubber). For mending bursted calyx. 30c. per oz.; ½ lb., \$1.00. Carnation Clips (Baurs). For mending carnations. \$1.00 per 1000 (by P. P., \$1.10).

Carnation Staples (Wire). 50c. per 1000. Celery Tape. Fast red, in 1000-yard spools,

\$5.25.
Charcoal (Lump). For use in potting. Pk., 65c.; \$1.50 per bu.; bbl. sack, \$2.25.
Charcoal (Ground). Coarse, fine and powdered. Per lb., 8c.; 35c. per 5 lbs.; 10 lbs., 60c.; \$1.25 per 25 lbs.; 100 lbs., \$4.00.
Glass Cleaner. \$2.75 gal.; 5 gals., \$11.00.
Grafting Wax. ½ lb., 15c. (by P. P., 20c.); 25c. per ½ lb. (by P. P., 30c.); lb., 45c. (by P. P., 55c.).
Moss (Green Lump). Pk., 60c.; \$1.75 per bu.; bbl. bag, \$3.25.
Moss (Green Sheet). ½ pk., 40c.; 70c. per pk.; bu., \$2.00; \$3.50 per sack.

per pk.; bu., \$2.00; \$3.50 per sack. loss (Sphagnum, dry). Bbl. bags, \$1.50; Moss (Sphagnum, dry). \$4.50 per large bale.

Moss (Sphognum, live). Pk., 50c.; \$1.50 per bu.; bbl., \$3.25.

Peat or Leaf Mould. Pk., 50c.; \$1.50 per

bu.; bbl., \$3.25. Peat (Orchid). Pk., 75c.; \$1.75 per bu.;

bbl. bag, \$3.50. Peat (Imported). Granulated, \$5.00 per bale of about 165 lbs.

Pebbles. Qt., 10c.; 75c. per pk.; bu., \$2.50; \$5.00 per bbl. sack.

Pruning Compound. Per qt., 85c.; \$2.50 per gal.

Sand. For propagating. Per qt., 10c.; 40c. per pk.; bu., \$1.40; \$3.00 per bbl. sack.

Shaderine. For shading greenhouse glass. 5 lbs., \$1.25; \$2.50 per 10 lb. can.

Soil. For potting. Qt., 10c.; 25c. per ½ pk.; pk., 40c.; \$1.50 per bu.; bbl. bag, \$3.25.

 Tin Foil (*Plain*). In 5- and 6-inch widths.
 1-lb. pkgs., 25c.; 5 lbs., for \$1.20; 5-inch width in 5-lb. rolls, \$1 20. Green and violet in 1-lb. pkgs., 45c. per lb. pothpicks. Wired. 50c. per

1000: Toothpicks. 10,000, \$3.50.

4-inch, wired, green; per Toothpicks. 1000, \$1.00; \$3.75 per 4500.

6-inch, wired, green; per Toothpicks. 1000, \$1.20; \$3.30 per 3000.

Tree Paint. Qt., 85c.; \$2.50 per gal.

Weed Killer. Qt., 55c.; 90c. per ½ gal.;
gal., \$1.75; \$6.75 per 5 gals.; 30 gals.,
\$33.00; \$50.00 for 50 gals.

Zementine. For whitewashing and shad-

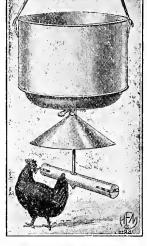
2 lbs., 45c.

APACO **AUTOMATIC FEEDER**

The Apaco Feeder, in general design, is built on the same lines as the well-known and justly famous Nor-wich Automatic Exerciser and Feeder, but is a hanging machine rather arranged with adjustable standard.

12-qt. capacity, \$2.00 each (by parcel post, \$2.25).





NORWICH AUTOMATIC POULTRY FEEDER

It is but necessary to fill the hopper with such grain as may be desired, filling the feed bar with either cracked corn or wheat, and adjust the valve at the bottom of the hopper to feed in such quantities as desired. Set the machine anywhere in the yard, pen or house, give the feed bar a turn or two

and, surprising as it may seem, in ten to fifteen minutes every hen in the flock will take in the situation The hopper is rain-proof and dust-proof. and work it.

No. 1— 8-quart hopper..\$5.00 | No. 3—20-quart hopper..\$6.50 No. 2—14-quart hopper.. 5.50 | No. 4—32-quart hopper.. 7.50

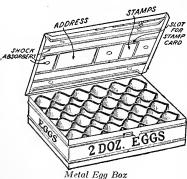
Paper Parcel Post Egg Boxes

Constructed so that each egg is separated by a thickness of corrugated board and the entire contents are surrounded by a double wall of air-cushioned board. Absolute protection is therefore assured, as the box possesses sufficient strength to stand rough handling.

If wanted by parcel post, add 5c. each; or 25c. per doz. for postage.

Capacity	Each	Doz.	Capacity	\mathbf{E} ach	Doz.
1 doz	\$0.15	\$1.50	4 doz	. \$0.35	\$3.50
			5 doz		
3 doz	30	3.00	6 doz	45	4.50

Metal Egg Shipping Box



This is the ideal, indestructible box for forwarding household eggs by parcels post or express; can be used indefinitely.

1½-dozen capacity, ea.\$1.25 2-dozen capacity, ea... 1.50 3-dozen capacity, ea. . 1.75 4-dozen capacity, ea... 2.00 6-dozen capacity, ea... 2.50

If wanted by parcel post, add 15c. per box for mailing.

Extra fillers for 18 egg size, 36c. (by P. P., 45c.).

- for 24 egg size, 48c. (by P. P., 60c.).
 - for 36 egg size, 72c. (by P. P., 85c.). for 48 egg size, 96c. (by P. P., \$1.10).
- for 60 egg size, \$1.20 (by P. P., \$1.35.).

Separating cardboards, 2c. each; address cards, 2c. each.



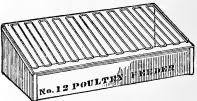
NORWICH CHICK FEEDER

Convex in shape, it is impossible for the chicks to pull out or scatter the feed; the removable guard rod prevents the chicks from getting into the feed. The body is of galvanized steel with ends riveted and burred to malleable iron brackets. Will last a

lifetime with ordinary care. 20 inch.
Without Rain Top, each...\$1.00
If wanted by parcel post, add 15c. each for postage.



Grit, Shell and Feed Boxes No. 1. Medium, Galvanized Iron, with three spaces, 75c. each (by P. P., 90c.).
No. 2. Large, Galvanized Iron, with three spaces, \$1.00 each (by P. P., \$1.15).



FELKER'S No. 12 FEEDER

Designed especially for a small colony of fowl or for chickens. Can be used for any kind of grain feed or mash and is protected from waste by a specially designed brass wire grid. Can be hung on the wall or set on a sill.

12 in. long, 90c. each (by P. P., \$1.05). 24 in. long, \$1.35 each

(by P. P., \$1.55).

PHILADELPHIA **POULTRY FOUNTAIN**

From a sanitary standpoint this is one of the best drinking fountains.

The top or body is detached, it is thus easily cleaned. The cone top prevents roosting. Made of galvanized iron.

made of gaiva	mzeu mor	1.	
Capacity	\mathbf{E} ach	Capacity	Each
1 qt	\$0.30	4 qt	\$0.60
2 qt			
If wanted hy	P P ad	d 10c each fo	r nostage

Extra Pans for Philadelphia Founts, 1 qt. size, 15c. each; doz., \$1.50; 2 qt. size, 20c. each; doz., \$2.00; 4 qt. size, 25c. each; doz., \$2.50. 8 qt. size, 30c. each; doz., \$3.00.

NORWICH AUTOMATIC AIR-LOCK FOUNTAIN

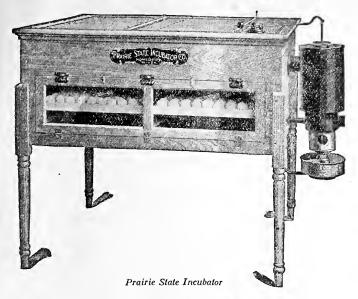
The most perfect device ever placed on the market for automatically supplying pure, fresh water in the poultry house. It is absolutely impossible to contaminate or pollute the water supply, and requires cleaning only about once in three months. Guaranteed frostproof to 10 degrees below zero, and has been operated at temperatures of fifteen and twenty below without being affected. Fitted with detachable cap, which is also used as a funnel for filling; removable oil chamber, heat generator, etc.

Made in one size only, 5 gallons capacity. Shipping weight, 15 lbs.

Complete, with burner base \$6.00 Without burner base..... 3.50 3.50 each for postage.



Norwich Automatic Air-Lock Fount



PRAIRIE STATE INCUBATORS

The Prairie State Incubators have made good since the day of their introduction, which is many years ago; the improvements that have been added are the results of developments which experience has proven to be both practical and successful.

In the building, design and construction of the Prairie State Incubator, every known factor to the present time has been taken into consideration. All Prairie State Incubators are equipped with nurseries.

In shipping the heaters are crated separately, as their design and size make it more practical; also it does away with the possibility of the heater becoming injured in transit.

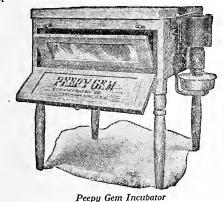
There are also many other improvements in the Prairie State Incubator that a study of the Prairie State Catalog and a close inspection of the machine itself, if possible, will best reveal.

The Prairie State has the diffusive air circulation system and sand tray moisture feature and is as faultless as it is possible to make incubators.

Oil consumption per hour with outside

	and incubator tem- perature at 103° per 24 hours.	Hen Egg Capacity	Duck Egg Capacity	Price
No. 0. No. 1. No. 2. No. 3.	Diffusive style $\frac{3}{4}$ pt. Diffusive style $\frac{1}{2}$ pts. Diffusive style $\frac{1}{2}$ pts. Diffusive style $\frac{1}{4}$ pts.	100 150 240 390	75 100 200 300	\$30.00 37.50 52.50 67.50

Complete Catalog on Prairie State Incubators and Brooders free on request.

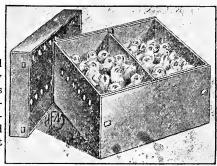


PEEPY GEM HOT WATER INCUBATOR

This is especially designed for the amateur or beginner. It is a wonderful value for the price charged. Very carefully made. Equipped with galvanized water heater and a sensitive thermostat. We can supply this in one size only, 50-egg capacity. Price, \$10.00.

Chick Boxes

Made of corrugated paper; extensively used; will carry chicks any distance with perfect safety. Are shipped knocked down and take up a small amount of space.



Capacity	Each	Doz.
25 Chicks Size 12 x 6 x 5	\$0.25	\$2.00
50 Chicks Size 12 x 12 x 5	.35	2.75
100 Chicks Size 24 x 12 x 5	.45	3.75
If wanted by parcel post, add 5c each or 50c per doz	. for po	stage.

GATE TRAP NEST FRONT

A trap worked entirely by the hen, arresting it every time it enters the nest. Of simple construction; cannot get out of order; must last a lifetime; will never frighten a hen. If you use trap nests you can tell which hens are layers and which are drones.

Metal. Each, \$1.00 (by P.P., .15); \$11.00 per doz. (by \$1.15); \$11.0 P. P., \$11.50).

COLLINS OAT SPROUTER

The most practical, quickest growing, perpetual, sectional and fireless Oat Sprouter. The Collins Sprouter is made in units, light individual pans, one pan for each day of the week and a drip pan at the bottom.

The production of eggs and the proper development of growing stock depend upon some form of "green stuff," something that is growing, that has life in it. The feeding of sprouted oats is no longer an experiment. Experience has proven time and again its value as a food for stimulating egg production. Oats sprouted in the right manner furnish food most nearly akin to the fresh green growth of spring time, the prolific laying time of the year.

No. 1—8 Pan 11 x 15 inch \$4.00 No. 2—5 Pan 11 x 15 inch 3.00 No. 3-8 Pan 11 x 32 inch.....

If wanted by parcel post, add 30c.



RICHMOND BUTTER CHURNS

First quality white cedar, carefully finished, easily cleaned. can make butter according to the amount of mills or aroum on hand

amount	OI IIIIII OI		
		E	By P.P.
No. 1.	3 gals	\$4.00	\$4.25
No. 2.	4 gals	5.00	5.50
No. 3	7 gale		6.00



SALT BRICKS

For dairy cows, horses and other animals. Essential to general good health in stables; fastened on the wall it is accessible at all times and remains clean. Per brick, 25c. (by mail, 35c.); \$2.75 per dozen.

Salt Brick Holders, 50c. each (by P. P., 60c.); doz., \$5.00.



Butter Churn

PRAIRIE STATE JR. COAL STOVE BROODER No. 1

The Junior is the result of an effort to put a moderately priced equipment in the hands of poultrymen who want a good Stove Brooder. It is compact in design, occupies small floor space and



is adaptable to every possible brooding condition. It is fitted not only for permanent installation, but is also portable, so that being installed in one house, after the brooding stage is passed it may be picked up and carried all intact to another house to begin with another flock. It is durable, substantial and low in cost of operation. The stove is solid cast iron, resting directly on its base without legs, there being no hot place under the stove possible for the chicks to reach. Designed for hard coal, but will burn soft coal also.

canopy is of galvanized sheet steel, hinged in centre, giving ready access to stove when coaling. Regulator is powerful, sensitive, triple control, of wafer type, regulating temperature to a fraction of a degree, with all working parts under canopy and so protected. The device handles flocks of 250 to 1000 or more safely and is adaptable to permanent or portable brood houses. This brooder can be operated at a cost of from 7 to 14 cents per day for coal. Price, complete with equipment, \$25.00.

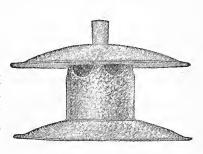
PRAIRIE STATE JR. No. 0 COAL STOVE BROODER

The construction of this is similar to the Junior Coal Stove Brooder No. 1, excepting that it has a new design double control regulator instead of the triple control type. Capacity, 200 to 700 chicks. Price, \$20.00.

PUTNAM BROODER HEATER

This can be used in any home-made brooder. The heater is so constructed that it acts like an open fireplace, carrying the foul air out and drawing the fresh air in, thus providing perfect venti-

lation automatically. Heat is radiated from above onto the backs of chicks, giving the natural and soothing effect of the hen, without the lice. The brooder heater is made of brass and galvanized iron and is practically indestructible. Every brooder heater is accompanied by easily followed directions for building the home-made brooder. Price of heater, \$4.75 (by P. P. \$5.00).



LITTLE PUTNAM STOVE

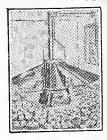
This is used under the drinking vessels of the poultry house to keep the water from freezing in the coldest winter weather. The



stove is nine inches in diameter and four inches high; made of galvanized iron and equipped with a burner which embodies an entirely new principle in oil combustion. Combustion is complete and perfect, doubling the heat value of oil. The oil tank holds three pints of oil and burns three to four weeks without refilling or any other attention; the wick never needs trim-

ming. Price, \$2.50 (by P. P., \$2.65).

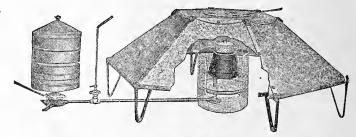
EUREKA COAL STOVE BROODER



This type has a corrugated fire pot claimed to be gas proof; is self regulating and the manufacturer claims you can operate it at a cost of 5 cents per day. It requires no attention except coaling once in 24 or 48 hours, according to weather. The "Eureka" is made in Philadelphia and is sold at a very attractive price because the capacity for manufacturing them is large and conditions favorable. Made in two sizes: No. 10, weight 96 lbs., for brooding 500 chicks, \$21.50; No. 20, weight 117 lbs., for brooding 1000 chicks, \$26.50.

THE HOME HATCHER HOVER

Especially designed to meet the requirements of the raiser of a small flock of poultry. Substantially built and of fireproof construction throughout. With the exception of the legs, the entire hover, including the lamp, is made of heavy galvanized iron. It is fitted with a lamp for which a separate housing is provided. An ideal hover for baby chicks. Capacity, 50 chicks. Price, \$7.00.



NEW SOL HOT BROODER, 1925 MODEL

At last here is the perfect oil-burning Brooder Stove for Canopy Hovers. An oil-burning heater that is so dependable that it practically runs itself, so simple and safe in operation that an 8 year old child can take care of it.

The 1925 Model has a Fire Proof Metal Oil Container, thus eliminating fire hazard and reducing operating labor; the metal container has double the oil capacity of the glass bottle and requires

but one operation in filling.

Nothing on the market can compare with the Sol-Hot Burner. It is Wickless, Odorless, Smokeless, and does not even require the use of an asbestos wick or lighter. The new patented All-Metal Vaporizer takes the place of the asbestos wick found on old style burners, which has always been a source of so much trouble and annoyance.

This All-Metal Vaporizer produces an intense blue flame,

without carbon, and never needs trimming or attention.

JUST LIGHT IT AND FORGET IT

Won't Overflow—Won't Go Out—Works Automatic

The Just-Rite Valve Control on this burner makes it possible to regulate the flame as high or low as you like. You can light it and go away and forget it, with the positive assurance that it will keep going steadily as long as the oil supply lasts. You can turn it off and relight it in two minutes time.

The illustration shows the new octagon shaped canopy which can be lifted easily and tilted back where it stands on the two

back legs so as to clean under it or get at the burner.

You can raise bigger, better, healthier chicks under this oilburning canopy brooder, cheaper and easier than any other way. No cold corners, no crowding and a steady uniform heat at all times.

Baby,20 inch Hover, broods100 chicks\$10.50Standard, 34 inch Hover, broods250 chicks15.75Standard, 44 inch Hover, broods500 chicks18.00Standard, 54 inch Hover, broods1000 chicks20.00

Complete descriptive circular on Sol-Hot Brooders free on request.

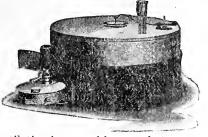
SPECIAL NOTE

We publish a complete Catalogue on Poultry Supplies which is free on application.

PRAIRIE STATE JR. PORTABLE HOVER

Combines all the essentials of the larger brooders in a style and size suited to the small producer or the fancier who wishes to raise small lots separately. While its size and capacity are equal to any

other lamp brooder, yet it is light in weight and may be instantly moved from place to place. Heat is furnished by the Standard Prairie State Lamp set in the center of the hover, the warm, fresh air being diffused by the radiator under the galvanized steel hover top, down upon the chicks. Heat is controlled by the



accurate regulator, and ventilation is assured by a perfect system of air flues. Curtain is of cotton duck; top of hover is insulated with mineral wool. Provides ample nursery space for 50 chicks. Price, \$10.00.



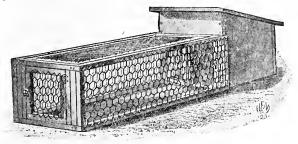
Wigwarm Brood Coop

Length Incl. Yard Width Large......49 in. 82 in.

"Wigwarm" Setting and Brood Coops

For a hen and her chicks or while she is setting. Gives protection from rats, skunks, hawks and other enemies. Insures larger hatches—fewer broken eggs. This coop is just the thing for colony raising and has proved its success for many years. Shipped knocked down.

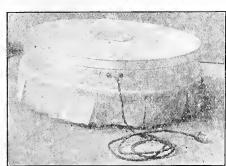
Height of Coop of Coop Each 23 in. 18½ in. x 18½ in. \$6.50



FARM BROOD COOP

A big, roomy coop that will accommodate a bunch of chicks. Well ventilated; substantially made; shipped knocked down. Made from grooved and tongued lumber, not painted. It is 21 inches wide, 22 inches from front to back, 22 inches high in front, 14 inches in back. The roof is hinged. Then there is a wire run 38 x 21 x 16 inches. The top is hinged. Price, complete, \$6.25.

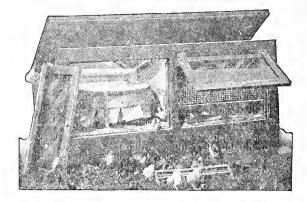
THE HOME ELECTRIC HOVER



An ideal hover for baby chicks. The New Home Electric Hover comes complete; all the operator has to do is to bolt on the three legs, insert necessary lamps, attach the extension cords to the nearest socket, switch on the current and the hover is ready for the chicks. Absolutely fireproof. Made entirely of galvanized iron, with exception of

double curtain suspended from the rim. Comes complete with three legs, necessary lamps and seven foot extension cord. Temperature easily regulated with aid of the mometer.

perature easily	regulated with	ald of thermometer.	
•	Diam.	Chick Capacity	Price
No. 1	18 in.	50	\$8.50
No. 2		125	12.00
No. 3		250	25.00



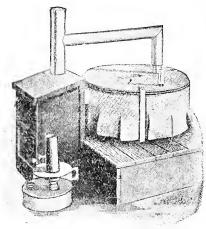
PRAIRIE STATE COLONY HOUSE

The Colony Brooder, with its dry, roomy quarters, level floors, overhead heat, graduated temperature, thorough ventilation and sun parlor for exercise, offers a happy solution to chick raising.

When the soil becomes worn out or if the location has become infected with disease or vermin, the removal of a portable colony brooder is an easy matter, and the birds can be given new quarters on fresh soil and amid new surroundings.

To transform the Combination Brooder into a Colony House, slip out the middle partition, remove the hover and lamp, and you have one of the neatest colony houses that could be built.

3 feet wide, 6 feet long, 3 feet high in front, 2 feet high in back (without heat regulator) \$35.00 Heat Regulator \$2.00 (by P. P., \$2.15)



Universal Hover and Lamp Box for Outside Use

PRAIRIE STATE UNIVERSAL HOVER

As the name of this hover implies, it has a wide or universal sphere of usefulness. In fact, there is practically no limit to its adaptability. It may be used or attached to any form of outdoor brooder that is two feet or more in height; to any size or form of colony house, mushroom house, small portable building, drygoods box, shed, coop, organ or piano box.

Where regular colony houses are used the Universal Hover can be attached to it until the chicks have been given a good start, and then removed to another for a new brood. It has proven to be thoroughly practical in actual service, giving perfect satisfaction during the coldest winter weather, changeable conditions of spring and the heat of summer.

Complete for outdoor use, with Lamp Case\$	9.00
Complete for outdoor use, with Regulator	
Complete for indoor use, no Lamp Case	
Complete for indoor use, with Regulator	9.50

SEARCHLIGHT EGG TESTER

A Portable Electric Tester, speedy, accurate; easy to operate. It differs from all other testers, in that the tester is moved over the eggs, instead of the eggs over the tester, thus not only saving the handling of the eggs but the light penetrates at the top where the germ rests, making the tester very effective. Price, style No. 1, fitted with 110 volt lamp, \$5.00 (by P. P., \$5.25).

MICHELL'S POULTRY AND ANIMAL FOODS AND TONICS

Prices of Poultry Food fluctuate constantly and will be quoted on application where prices are not mentioned.

For Bird Seeds and Supplies see Page 183.

Alfalfa Hay. Used as a scalded feed during the winter months.

Alfalfa Meal. For feeding dry or mixing in mash; rich in protein and especially desirable for young birds.

Barley. Principally fed for making feathers, bone and muscle.

Bone (Coarse Ground). For feeding grown fowls, for muscle making, producing eggs and as a digester.

Bone (Fine Grade). For feeding chicks and pullets and using in the mash.

Bran (Wheat). For mash, etc. An excellent egg maker and very nutritious. Can be fed alone or used in a mixture.

Broken Rice. For small chicks and for conditioning stock which has been allowed to become in a run down condition.

Buckwheat. Fed very largely as a change of diet; poultry thrive

Cake Meal. Extensively used for promoting and encouraging moulting; generally mixed in the mash and can be used wet or dry.

Calf Meal (Blatchford's). For weaning calves from cows and taking the place of milk. Fed in liquid form.

Canada Peas. Principally fed to pigeons, when it acts as a bowel regulator. Should not be fed continuously.

Cat Food (Spratt's). Saves the necessity of especially preparing food for tabby. Per large carton, 35c.

Catnip Balls. A plaything and tonic for pussy. 15c. each.

Charcoal. Two grades, fine and coarse. Especially prepared for poultry purposes; disinfects the bowels and tones up the whole system. Usually fed from a hopper alone or used in dry or wet mash. Per lb., 8c. (by mail, 15c.); 35c. per 5 lbs. (by mail, 50c.); 10 lbs., 60c. (by mail, 85c.); \$1.25 per 25 lbs.; 100 lbs., \$4.00.

Chicgrain (Spratt's). Can be used as the staple food from the very day the chick is hatched; claimed to be the most scientifically balanced chick ration.

Chick Food (Michell's). This we regard equal to any of the corn mixed foods; made from clean, wholesome grains, properly balanced and proportioned.

Chick Food (Park and Pollard).

Chick Food (Pratt's). For newly-hatched chicks.

Chick Manna. Comprises a variety of nutritious food and health preserving properties, so proportioned and combined to be peculiarly adapted to promote health, quick growth and strong development. Per lb., 15c. (by mail, 20c.); 40c. per 3 lbs. (by mail, 50c.); 5 lbs., 60c. (by mail, 75c.); \$1.65 per 15 lbs.; 60 lbs., \$6.25; \$9.00 per 100 lbs.

Chick Meal (Spratt's No. 5 and No. 3). For show or prize stock; develops strong, husky specimens.

Condition Tablets (Pratt's). For relieving colds, catarrh, mild cases of roup, etc. 25c. and 50c. per box.

Conkey's Poultry Tonic. To induce the hen to lay more and larger eggs. 25c. per 1½ lb. pkg.; 3½ lbs., 50c.

Conkey's Starting Food for Baby Chicks. Contains bone and muscle making properties in the highest degree.

Corn Meal (Special Process). Carefully ground and sifted. Suitable for either mash or feeding little chicks.

Cracked Corn. Carefully sifted, fine or coarse; all dirty particles removed.

Cut Clover Hay. Fresh dried clover tops, all rough stems being excluded; excellent for using in mashes and taking the place of green foods.

Developing Food (Michell's). A mixture of grain that is fed from the time chicks are 3 weeks old till they are 3 months old. Desirable also as a scratching litter for young chicks.

Dog Cakes (Spratt's). Dog cakes are made so that they supply every requirement of the dog's need for sustenance. No cooking or mess.

Dog Cakes (Spratt's Oblong).

Fish, Dried Ground. Splendid for egg production. Desirable to feed alone or in a mash.

Gluten Meal. For feeding to both poultry and cows.

Grit. Sharp, ground granite, which is in greatest demand of all grits. Fine, medium and coarse.

Grit (Red Cross Health). Used exclusively for pigeons. Contains a variety of materials, including seeds of some aromatic herbs.

Ground Oats. This makes an excellent dry food when combined with other similar ration.

Growing Food (Park and Pollard). Feed when chicks are developing. Park and Pollard foods are regarded as the best of their respective kinds.

Hemp Seed. Fed largely to pigeons, also to poultry during winter months. If you want to fatten poultry, or hasten the moult, feed hemp; also fine for fattening squabs. Should not however be fed continuously.

Hulled Oats. A splendid food for young chicks, as a change of diet or after they have been hatched a few days.

Kaffir Corn. Makes a fine food for pigeons, also used for poultry. Very good for feeding during the winter months.

Linseed Meal. For feeding with the regular ration during the moulting period; splendid for conditioning birds in preparing to exhibit them.

Mash Food, Laying (Michell's Buttermilk). A carefully balanced article containing all the necessary foods for egg making; also rich in bone, muscle and feather making elements.

Mash Food (Park and Pollard). (Lay or bust). Reputed to be the best mash food on the market.

Mash Food, Chick (with Dried Buttermilk). A specially prepared mash to develop quick growth in young stock.

Meat (Prepared). Very rich in protein. If you want eggs in winter, poultry meat will get them for you, if placed before the fowls where they can eat it at will.

Middlings. An excellent change in combination of a mash; a byproduct of wheat and therefore very valuable.

Millet (For Feeding). Highly nutritious and used extensively for pigeons and young chickens. When fed to old fowls with other foods it brings out the gloss and color of the plumage.

Oat Meal (Pin Head). An excellent food for young chicks after they are a few days old, and may be continued until they are several weeks old.

Oyster Shells. Many people think that oyster shells take the place of grit; this is not so; both must be used when fowls do not have free range. Fine and coarse. State which is wanted when ordering.

Panacea (Poultry Tonic). Made by Drs. Hess and Clark, who have a splendid reputation for making reliable poultry supplies. 1½ lbs., 25c. (by mail, 35c.); 75c. per 5 lbs. (by mail, 90c.); 12 lbs., \$1.50 (by mail, \$1.80); \$3.00 per 25 lbs.

Pheasant Meal (Spratt's). No. 12 Fine; No. 5 Coarse. State which is wanted when ordering. Especially combined to furnish the peculiar feed requirements of pheasants.

Poultry Food (Spratt's No. 3). An evenly balanced grain ration; a splendid egg producer.

Poultry or Scratch Food (Michell's). An evenly balanced grain ration, for feeding growing and adult fowls.

Poultry or Scratch Food (Park and Pollard). A carefully prepared food.

Pratt's Poultry Regulator. Will help moulting fowls and make them lay sooner; will make turkeys, ducks, geese and pigeons thrive. Price, 8 oz. package, 12c.; 24-oz., 25c. (by mail, 35c.); 50c. per 4 lbs. (by mail, 65c.); 12-lb. bag, \$1.40 (by mail, \$1.70); \$1.65 per 12-lb. pail; 25 lbs., \$3.00; \$10.00 per 100 lbs.

Prepared Pigeon Food. An excellent mixture of grain. Pigeons thrive better on specially prepared feed.

Puppy Cakes Spratt's).

Puppy Cakes (Spratt's Oval).

Sunflower Seed. For poultry, parrots, etc. Fine for a change of ration during the moulting season; also in cold weather as an egg producer.

Vetches or Tares. For pigeon feeding. Asking for quotations.

Vitality Salt (Rigler's). A wonderful builder; keeps fowls strong and healthy; makes chicks grow and mature early. 50c. and \$1.00 per pkg.



provement on whitewash, combining the features of a cold water paint and disinfectant: will not rub or chop; not a lime product. 75c. per 5 lbs.; 10 lbs., \$1.25; \$5.00 for 50

A poultry house disinfectant, louse and mite Carbolineum. destroyer; insures absolute riddance of the pests if applied but twice a year. Excellent for preserving wood against rot and decay; in gallon cans only. \$1.50 per gal.; 5 gals. for \$7.00.

Chemo. A liquid lice killer that will not discolor the plumage of white poultry. Per gal., \$2.00.

Chicken Pox or Sore Head Remedy (Verdery's). 35c. for 2 ozs. Condition Tablets (Pratt's). 25c. and 50c. per pkg. (by P. P., add 5c. extra).

Conkey's Canker Special. A wonderful and effective remedy. 50c. per pkg. (by P. P., 55c.).

Conkey's Cholera Cure. 25c. and 50c. per pkg. (by P. P., add 5c. extra).

Conkey's Chicken Pox Remedy. 25c. and 50c. per pkg. (by P. P., add 5c. extra).

Conkey's Gape Cure. For young chicks. 25c. and 50c. per pkg. (by P. P., add 5c. extra).

Conkey's Lice Fix. For destroying mites, lice, etc. 25c. and 50c. per pkg. (by P. P., add 5c. extra).

Conkey's Mite Liquid. For painting roosts, poultry houses,

spraying nests and general vermin cleaning, etc. Qt., 60c.; 90c. per ½ gal.; 1 gal., \$1.50. Conkey's Lice Powder. A sure destroyer. 25c., 50c. and \$1.40 per pkg. (by P. P., add 10c. extra).

Conkey's Nox-i-cide. A germ destroyer, which will keep the poultry house in a pure, sanitary condition, destroy all germs and drive out the lice and mites. 50c. per pt.; qt., 80c.; \$1.30

for 2 qts.; gal., \$2.00.

Conkey's Roup Cure. The most widely used of the roup remedies; administered in the drinking water. 30c., 60c. and \$1.20

per box (by P. P., add 5c. extra).

Conkey's Scaly Leg Remedy. A sure cure. 25c. per pkg. (by

P. P., 30c.).

Conkey's White Diarrhoea Cure. For little chicks; results always satisfactory. 30c. and 60c. per package (by P. P., add 5c. extra).

Death to Lice (Lambert's). For dusting fowls and nests. The most effective chicken lice exterminator in existence. 5-oz. size, 10c.; 25c. for 15 ozs.; 48 ozs., 50c.; \$1.00 per 100-oz. pkg. (by P. P., add 10c. extra).

Death to Lice Ointment. A salve or ointment used on the heads of newly-hatched chicks. It drives away lice instantly. Easily applied; no mess; no trouble. 10c. and 25c. per box (by P. P.,

add 5c. extra).

Gape Worm Extractors. Two styles: Hallowell, made of German silver and horse hair, 10c. each. Pilling, made entirely of German silver, 25c. each (by P. P., add 5c. extra).

Germacone (Lee's). The standard remedy for the prevention

and cure of most every ill that affects poultry, such as roup, cholera, bowel complaint, diarrhoea, sore head, gapes, etc. Germozone's greatest value is in preventing sickness. In tablet form, 75c. (by P. P., 80c.).

Lice Expelling Nest Eggs. These are made of napthaline and are an ideal substitute for the natural egg, which they closely

resemble. 6c. each; per doz., 65c.; \$4.50 per 100.

Licene. Kills chicken lice as if by magic. Put up in tubes; conveniently handled. 60c. per tube (by P. P., 65c.).

Oculum. For cholera, roup and diarrhoea. May be used on chicks and grown fowls with equal success. 50c. and \$1.00 per leating the child of the P. P. and \$1.00 per leating the P. And \$1

bottle (by P. P., add 5c. extra). Pratt's Disinfectant. For spraying poultry houses, stables, etc. It gets rid of lice and mites and keeps poultry houses clean and healthy. Pt., 35c.; 55c. per qt.; ½ gal., 90c.; \$1.50 per gal.;

5 gals., \$7.00.

Pratt's Lice Powder. For dusting nests, fowls, chicks, etc.; quickly kills the lice. 12c., 2bc. and 50c. per box (by P. P., add 5c. extra).

Pratt's Roup Remedy (Pills or Powder). For roup, canker, catarrh and diphtheria. As a preventative it is unsurpassed. 25c., 50c. and \$1.00 per box (by P. P., add 5c. extra).

Pratt's Sore Head Remedy. A sure, rapid cure for the dreaded disease known as sore head or chicken pox. 30c. and 60c. per box (by P. P., add 5c. extra).

Pratt's White Diarrhoea Remedy. For baby chicks; keep the germs of the disease from becoming active by using this remedy. 25c. and 50c. (by P. P., add 5c. extra).

Roup Syringe. For administering liquid roup remedies in the nostrils or throat. Price, 15c. each (by P. P., 20c.).

Spratt's Dog Soap. Entirely free from poison, and at the same time most effective in the destruction of lice and fleas. 25c.

per cake (by P. P., 30c.).

Sulphur Candles. Large size, 25c. each; per doz., \$2.75. Small size, 15c. each; per doz., \$1.65 (by P. P., add 5c. each).

Tobacco Dust. For dusting on roosts, nests, etc., to keep away

vermin. 10c. per lb.; 5 lbs. for 40c.; 60c. for 10 lbs.; 25 lbs., \$1.35; \$2.50 per 50 lbs.; 100 lbs., \$4.75.

Tobacco Stems. For making nests, etc. 15c. per lb.; 5 lbs., 60c.; \$1.00 per bushel; per bbl. bag, \$1.75; in large bales of about 250 lbs., at 2½c. lb.; per ½ ton, \$17.00; \$32.00 per ton. Whiting's Roupene. An infallible preventive and sure cure for

all cases of roup, canker, diphtheria, chicken pox or sore head, gapes, colds and all diseases of the respiratory organs of fowls or pigeons. Will cure dogs of the sniffles. Price, 50c. and \$1.00 per bottle (by P. P., add 5c. extra).

Whiting's White Diarrhoea Remedy. 50c. and \$1.00 per bottle (by P. P., 15c. extra).

Zenoleum Liquid. Dilute one part Zenoleum to one hundred parts water. It is non-poisonous and is not irritating or inflammable. Should be used freely around barns and poultry houses. Zenoleum is a concentrated solution of coal tar. It is mixed with hot or cold water, making a perfect emulsion that requires no boiling or stilling. 8 ozs., 50c.; 75c. per qt.; ½ gal., \$1.25; \$2.00 per gal.; 5 gal. can, \$9.50.

MICHELL'S RECLEANED BIRD



Bird Manna. Keeps Canary birds in prime condition and prevents the

loss of song. Pkg., 15c.

Canary Seed (Plain Sicily). cleaned and of splendid quality. Per lb., 15c. (by P. P., 22c.); 70c. per 5 lbs. (by P. P., 85c.); 10 lbs., \$1.30 (by P. P., \$1.55).

Canary Seed (Mixed). A mixture of the finest quality and in proper proportions. Per lb., 15c. (by P. P., 22c.); 70c. per 5 lbs. (by P. P., 85c.); 10 lbs., \$1.30 (by P. P., \$1.55).

Catnip Balls. A plaything and tonic for pussy. 20c. each. Cuttle Fish Bone. Good for digestion and general health. Each 5c.; 20c. per 1/4 lb.; per lb., 60c. (by P. P., 67c.).
Fish Food. For aquariums. Per pkg., 15c.
Hemp Seed. Birds are very fond of this seed; it is rich and

should be fed with discretion. Lb., 15c. (by P. P., 22c.); 5 lbs., 70c. (by P. P., 85c.); 10 lbs., \$1.30 (by P. P., \$1.55).

Lettuce Seed. A slight sprinkle of this is much relished by ca-

naries. Oz., 5c.; ¼ lb., 10c.; 32c. per lb. (by P. P., 40c.).

SEEDS, PET SUPPLIES, ETC.

Maw Seed. Calculated to improve the song of canaries, etc. 1/4 lb., 10c.; lb., 25c. (by P. P., 32c.); 5 lbs., \$1.10 (by P. P., \$1.25). ½ 10., 10c.; 10., 25c. (by P. P., 32c.); 5 10s., \$1.10 (by P. P., \$1.25).
Millet Seed (Imported). Recleaned seed; nutritious and appetizing. Lb., 12c. (by P. P., 19c.); 5 lbs., 55c. (by P. P., 70c.); 10 lbs., \$1.00 (by P. P., \$1.25).
Parrot Food (Spratt's). 20c. pkg.; \$2.00 per doz. pkgs.
Rape Seed. Will keep the birds in excellent condition; feed with canary seed. Lb., 15c. (by P. P., 22c.); 5 lbs., 70c. (by P. P., 85c.); 10 lbs., \$1.30 (by P. P., \$1.55).
Sand. For bird cages. Red, fine. Pkg., 10c. (by P. P., 15c.); \$1.00 per doz. pkgs

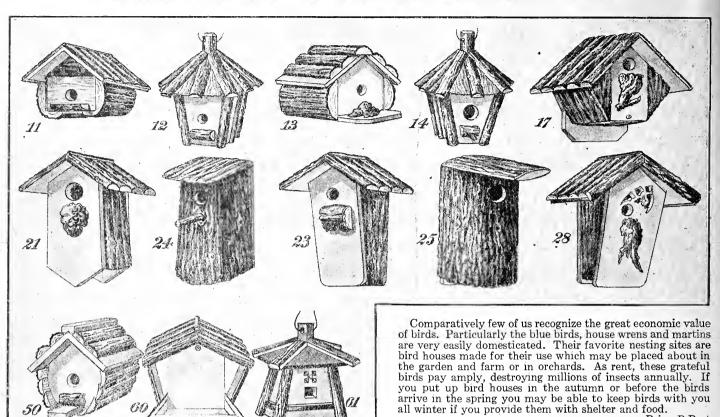
\$1.00 per doz. pkgs. Sand. Silver, fine. Pkg., 10c. (by P. P., 15c.); \$1.00 per doz. Sand or Gravel. Silver, coarse; for parrots' cages. 10c. per pkg. (by P. P., 15c.); doz. pkgs., \$1.00. Song Restorer. For Canaries; revives the desire to be lively and

sing more lustily. Price, 15c. per bottle; doz., \$1.50.

Sunflower Seed. We are very large handlers of this important food for parrots. Our customers may depend upon getting a very choice article. 15c. per lb. (by P. P., 22c.); 70c. per 5 lbs. (by P. P., 85c.); 10 lbs., \$1.35 (by P. P., \$1.60); \$3.25 for 25 lbs. Unhulled Rice. Lb., 20c. (by P. P., 27c.); 5 lbs., 75c. (by P. P., 90c.); 10 lbs., \$1.35 (by P. P., \$1.60).

Prices on Bird Seed in larger quantities quoted on application.

MICHELL'S RUSTIC AND ORNAMENTAL BIRD HOUSES



day was a

Price P.Post Each Each 8. 11. Wren House..... 1.75

 Wren House
 1.75

 Wren House
 1.75

 Wren or Bluebird House
 1.75

 Wren House
 1.50

 Bluebird House
 1.75

 Wren House
 1.75

 Wren House
 1.75

 Wren House
 1.75

 12 1.90 13. 1.90 17. 1.65 21. 1.90 Wren House 2.20 50. Wren House. Swinging..... 1.50 1.65 Robin House. Swinging.
Wren House. Swinging.
Bluebird House.
Wren and Robin House
Maryland Wren Box
Martin House. 4 room.
Wren House. 1.90 1.90 1.75 63 2.25 2.50

SOUIRREL HOUSE

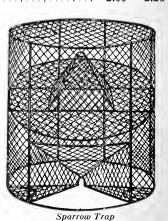
65.

The trouble with the ordinary squirrel houses is, that all sorts of birds will try to build in them, partic-ularly the sparrow. This house is arranged so that no birds will try to use it, the hole is on the bottom. A narrow passage leads up to another opening leading over into a snug room for the squirrel's storehouse and nesting place. Put high up in crotch of a tree. Price, \$5.50 (by P. P., \$6.00).

SPARROW TRAP

(Wire)

We have tried this out and found it to be the best trap made. Scatter a little cracked corn and set trap right over it. You'll be surprised at the catch \$6.00 each (by P. P., \$6.50).



.50

5.00

.65



Method of Applying Lawn Sand

"Climax Lawn Sand" is a unique combination of finely ground chemicals, which, when sprinkled over the grass, possess the remarkable property of destroying Moss, Chickweed, Plantains, Dandelion, and all other weeds on Lawns, Tennis Courts, Golf Greens, etc., at the same time promoting the growth of the finer grasses. It may be applied any time during the growing season grasses. It may be applied any time during the growing season of the year, namely, from beginning of April to the end of October. The lawn must be absolutely dry; by that is meant that no rain or dew must be visible on the grass. Ten to twelve a. m. during the months of April, May and October, nine to twelve a. m. during June, July, August and September are the best hours for application. Only apply in fine weather when the temperature is fairly high and when per rain appears. application. Only apply in fine weather when the temperature is fairly high and when no rain appears likely for a day or two. This is most important. After applying, the weeds blacken and die; the grass usually also becomes blackened and may remain so for a few days, but it quickly recovers its color, and young growths appear on the bare spots previously occupied by the weeds. Should the weather be very hot and dry, the lawn should be thoroughly watered at the expiration of 48 hours after the application. It acts as one of the most powerful fertilizers for grasses if applied as a top-dressing in the early spring. For top dressing as a fertilizer apply ½ ton per acre.

Quantity Required as a Weed Destroyer

						Price	By P. P.
$3\frac{1}{2}$	lbs. will	dress	150	square	feet	 \$0.75	\$0.90
							1.60
14	lbs. will	dress	500	square	feet	 . 2.50	2.90
28	lbs. will	dress	1000	square	feet	 4.00	By express
							or freight
112	lbs. will	dress	4000	square	feet	 12.50 J	collect.



SEMESAN

Accelerates Seed Germination. Stimulates Plant Growth. Controls Diseases. Increases

Crop Yields.

Semesan, a complex organic mercurial, while primarily a disinfectant for the control of seed borne diseases, possesses at the same time the remarkable properties of accelerating and increasing germination, producing more vigorous seedling growth and increasing crop yields from five to forty per cent. It is suitable for the treatment of field, truck, forage and cereal crops, as well as flowers, grasses and ornamental plants. Applications of Semesan by either the dusting or liquid methods will in no way harm the seed germ. Semesan is the most effective means of controlling "Brown Patch" which attacks the turf of golf courses, tennis courts and lawns. It may also be used with splendid results for general agricultural purposes such as the disinfection of greenhouse smut or other disease spores from grain harvesting equipment.

Price, 60c. per 2 oz. bottle; 4 oz. bottle, \$1.00; \$1.60 per 8 oz. can; 1 lb. can, \$2.75; \$13.00 per 5 lb. can; 25 lb. can, \$62.50.

Semesan Booklets on Request

Semesan Booklets on Request



ALPHANO PREPARED HUMUS

"MAKES THE BEST LAWN BETTER"

"Alphano" is the original humus, the best when introduced, and still in the lead of sales, and value. It is a pure humus, containing no element of weed seeds, or any foreign substance that will grow. There is no adulterant in it except a few ingredients to bring up the analysis of nitrogen and potash, which materially increases its fertilizing value. An ideal material for incorporating in heavy soils to lighten them, increasing the fertility; for making light soils heavier it is the one and only material that will answer this purpose. As a top dressing for lawns and grass plots it encourages the growth of grass and helps to retain the color especially during hot dry weather. For seashore lawns "Alphano" will transform a bare spot with the application of grass seed in a short while to an emerald green. On lawns and grass plots that are difficult to keep green, frequent applications of Alphano will be found of great benefit. On fairways and golf courses, putting greens and tees, in certain localities, it would be almost impossible to grow and maintain grass in a satisfactory manner without Alphano. There is no rule as to the quantity of Alphano you can apply, the more liberal you are the better and more permanent are the results.

Alphano is clean and easily handled; it is a fine black substance with no odor or mess; it can easily be applied by hand, shovel or sieve; the grass can be walked upon without interference or objection as the material does not adhere easily.

For growing flowers and vegetables to perfection, Alphano is an ideal substance, especially in connection with growing celery and root crops in general; they can be brought to maturity much quicker when Alphano is used.

The reason many vegetable gardens do not give the maximum of returns is because the soil lacks vegetable matter (Humus), probably one of the most essential needs. Soil without bacteria (organic matter) is not usually very productive and yet that is just the condition soils get into if you pile in only commercial fertilizer and leave humus out. Barnyard manure is extremely scarce now, so that with the combination of commercial fertilizers and humus we get a balanced plant food, which means big crops of early vegetables. You can't introduce weeds into the soil either when you use "Alphano" which is another valuable point. Humus helps to make light soils heavier, and heavy soils more porous, it promotes early, rapid and continuous growth until harvest time. When you make your hotbed incorporate Alphano into the soil liberally, when you sow peas or beans, plant corn and set out vegetables, let a good big application of humus go into the hole or furrow. Humus is rich in nitrogen, phosphoric acid and potash, it's a natural fertilizer, cannot burn or injure seeds or plants. Buy it by the sack or more; it keeps indefinitely and is mighty handy to have when you want to make a quick application to some plant that is not just doing right.

Price of Alphano Humus f. o. b. Philadelphia. 5 lbs., 35c. (by P. P., 50c.); 60c. per 10 lbs. (by P. P., 90c.); 25 lbs., \$5c.; \$1.35 per 50 lbs.; 100 lbs., \$2.25; \$10.00 per 500 lbs.; 1000 lbs., \$15.00; \$25.00 per 2000 lbs.

Price f. o. b. factory, Alphano, N. J., as follows: \$20.00 per ton in bags. Per ton in bulk, carload lots only of about 30 tons, \$10.00 per ton of 2000 lbs. Per ton in bags in carload lots of 20 tons, \$16.00 per ton.

MICHELL'S INSECT DESTROYERS, ETC.

DIRECTIONS FOR USING ANY OF THE FOLLOWING WILL BE FOUND ON EACH PACKAGE



- Ansecto Rose Bug Destroyer. Highly effective when used on rose bugs, many hard bodied insects, red spider, mealy bug and other garden pests. Dilutes 1 part to 30 to 50 parts of water. Per 4 oz., 30c.; \$1.00 per pint; qt., \$1.75; \$6.00 per gal.
- Ant Exterminator. A powder that is used for distributing around buildings, on greenhouse benches, on lawns, gardens, and any other places infested by ants. Per ½ lb., 25c.; 35c. per lb.; \$1.25 per 5 lbs.
- Aphine. For destroying aphis, green fly, thrip, red spider and other greenhouse and outdoor insects. It dilutes readily in water about 1 part to 40 of the latter. Per ¼ pt., 30c.; 45c. per ½ pt.; pt., 70c.; \$1.15 per qt.; per gal., \$3.25.
- Aphis Punk. A paper that has been thoroughly saturated with nicotine. Used for fumigating, giving off dense fumes of nicotine. Excellent for aphis, thrip, white and green fly, also red spider. Contains 22½% of nicotine. Guaranteed effective if used within 6 months of the date on the container; each package contains 12 sheets, 33 x 6 inches or 16½ sq. ft.; this is in excess of competitive products, so the Aphis Punk is the most economical product of its kind to use. (For use in greenhouses only.) Per pkg. of 12 sheets, \$1.00; \$9.50 per case of 12 pkgs.
- Arsenate of Lead (*Paste*). For spraying trees and shrubs against the attacks of leaf-biting insects of all kinds; especially valuable for spraying to prevent the codling moth; dilutes 1 lb. to 25 gals. water. Per lb., 40c.; \$1.75 per 5 lbs.; 10 lbs., \$2.75; \$5.75 per 25 lbs.; 50 lbs., \$10.00; \$18.50 per 100 lbs.
- Arsenate of Lead (*Powdered*). 1 lb. to 1½ lbs. dilutes to 50 gals. of water, or may be used dry, like Paris Green. Per ½ lb., 30c.; lb., 50c.; 5 lbs., \$2.25; \$4.00 per 10 lbs.; \$9.00 per 25 lbs.; 50 lbs., \$15.00; \$27.50 per 100 lbs.
- Black Leaf 40. Per 1 oz. bottle, 35c.; \$1.25 per ½ lb.; 2 lbs., \$3.50; \$13.50 per 10 lbs.
- Bordeaux Arsenate (*Paste*). A combined fungicide and insecticide, for fruit trees, potatoes, melons, cucumbers, etc.; also for mildew, black spots, etc., on roses. Per lb., 40c.; 5 lbs., \$1.75; \$3.00 per 10 lbs.; 25 lbs., \$6.00; \$11.00 per 50 lbs.; 100 lbs., \$20.00.
- Bordo Lead (Powdered). Has all the advantages of the paste form, but goes farther and is easier to handle. ½ lb., 30c.; 1 lb., 50c.; \$2.25 per 5 lbs.; \$4.25 per 10 lbs.; 25 lbs., \$9.25; \$16.50 per 50 lbs.; 100 lbs., \$30.00.
- Bordeaux Mixture (*Paste*). Used principally for mildew, blight and fungus diseases that affect potatoes and fruit trees; by adding water it is ready for use. Per lb., 35c.; \$1.50 for 5 lbs.; 10 lbs., \$2.50; \$5.00 for 25 lbs.; 50 lb. kegs, \$9.00.
- Bordeaux Mixture (*Dry Form*). For dusting plants affected with mildew and all fungous diseases. Per lb., 35c.; \$1.25 per 5 lbs.; 10 lbs., \$2.00; \$4.25 per 25 lbs.; 50 lbs., \$7.50; \$14.00 per 100 lbs.
- Bug Death. Largely used instead of Paris Green. It is claimed to have the same effect. The manufacturers say that it acts as a fertilizer as well as an insecticide. It comes in powder form, and is applied pure. Not poisonous to persons. Per lb., 18c.; 45c. per 3 lbs.; 5 lbs., 75c.; \$1.50 per 12½ lbs.; 100 lbs., \$8.75.
- Calcium Cyanide. A valuable insecticide for greenhouse fumigation, for destroying aphis, white fly, soft scale, thrips, etc. It is scattered along the walks, and the house closed for the night. Per lb., 60c.; \$2.50 per 5 lbs.; 10 lbs., \$4.00. Descriptive circular free.
- Carbolineum. A germicide and disinfectant for purifying poultry houses, stables, etc. Per gal., \$1.50; \$7.00 per 5 gals.

- Clensel (Paterson's Concentrated). An imported insecticide and fungicide for greenhouse and outdoor spraying for aphis, thrip, etc. Per pt., \$1.10; \$3.00 per ½ gal.; gal., \$5.00.
- Copper Solution. Made of sulphate of copper and other materials. Excellent spray for carnation rust and diseases of the grape, pear, apple, and other fruits. A good thing to use for leaf blight and mildew. It is diluted in water. Per qt., \$1.50; \$4.00 per gal.
- Cyanegg. For generating Hydrocyanic Acid Gas. Claimed to be the best remedy for killing white fly. Do not use on Sweet Peas. Per lb., 75c.; \$3.00 for 5 lbs. Cannot be mailed.
- Dalmatian or Persian Powder. For ridding buildings of all kinds of insect pests, particularly roaches, ants, moths and fleas. Per ¼ lb., 40c.; 65c. per ½ lb.; lb., \$1.25.
- Dy-Sect. An effective insecticide, destroying aphis, green fly, red spider, rose bugs and other greenhouse and outdoor insects. Dilutes 1 part to 30 parts of water. Per 4 oz. bottle, 30c.; \$1.00 per pt.; qt., \$1.75; \$3.25 per ½ gal.; gal., \$6.00.
- Fish Oil Soap (Good's Caustic). Used extensively as a tree spray and as a summer remedy for San Jose Scale; it comes in a soft soap form and is easily dissolved, 1 lb. to 10 gals. water. Per lb., 25c.; \$1.10 per 5 lbs.; 10 lbs., \$1.85; \$3.75 per 25 lbs.; 50 lbs., \$6.00; \$10.50 per 100 lbs.
- Fish Oil Soap. An excellent summer spray, when something stronger cannot be used, where San Jose Scale exists. It is nice for washing off lemon trees, oleanders, and almost anything that would be infested with soft-shelled or in fact most any kind of insect. Dissolved in water according to various purposes. Per ½ lb., 15c.; 25c. per lb.; 5 lbs., \$1.00; \$1.75 per 10 lbs.; 25 lbs., \$3.75; \$6.00 per 50 lbs.; \$10.50 per 100 lbs.
- Fish Oil Soap (Rosin). Especially recommended for the destruction of boxwood maggot, bag worm and caterpillars. Per 5 lbs., \$1.50; \$2.75 per 10 lbs.; 25 lbs., \$4.50; \$7.50 per 50 lbs.; 100 lbs., \$13.00.
- Fungicide (Zenke's). For various forms of fungous diseases. Per ½ pt., 30c.; 50c. per pt.; per qt., 90c.; \$1.75 per ½ gal.; gal., \$3.00.
- Fungtrogen. A highly concentrated form of fungicide that will conquer mildew and control black spot on roses. It also supplies an essential fertilizer. Dilute 1 part with 60 parts of water. Per pt., \$1.25; \$2.00 per gt.; ½ gal., \$3.50; \$6.00 per gal.
- Per pt., \$1.25; \$2.00 per qt.; ½ gal., \$3.50; \$6.00 per gal.

 Getz there Soap. Ideal for washing palms and spraying in place of Whale Oil Soap. 2 lbs., 65c.; \$1.75 for 8 lbs.; 25 lbs., \$5.00.
- Grape Dust. A powder preparation used for mildew, aphis, black fly, and other insects and fungous diseases, principally in greenhouse. Per 5 lbs., \$1.00; \$1.85 per 10 lbs.
- Hellebore. The ideal material for destroying rose bugs, currant worms, and other soft-shelled insects that infest the garden. It can be applied dry or in liquid form. 1/4 lb., 20c.; 35c. per 1/2 lb.; lb., 60c.; \$2.75 per 5 lbs.
- IXL Compound. An English preparation for spraying; harmless to very delicate plants. Kills mealy bug, red spider and all insect pests. Per gal., \$8.00.
- Kerosene Emulsion (Liquid) (Miscible Oil). Diluted in water this makes an excellent spray for all mild forms of scale, and soft lice of any kind such as infest rose and fruit bushes, vegetables and trees. Dilutes 1 part to 20 parts of water. Per pt., 40c.; 75c. per qt.; gal., \$1.75.
- Lemon Oil Insecticide. The best and cheapest insecticide in the market. Used by nearly all the leading growers. It effectually destroys mealy bug, scale, thrip and red spider. Per ½ pt., 35c.; 60c. per pt.; qt., \$1.00; \$1.75 per ½ gal.; gal., \$3.00; \$12.00 per 5-gal. keg.

MICHELL'S INSECT DESTROYERS, ETC.

DIRECTIONS FOR USING ANY OF THE FOLLOWING WILL BE FOUND ON EACH PACKAGE

- Lime Sulphur. For scale insects on trees and shrubs, and such fungous diseases as can be treated in winter or early spring; also for leaf curl of peaches. Per qt., 55c.; 85c. per ½ gal.; gal., \$1.25; \$4.50 per 5 gals.; ½ bbl. (30 gals.), \$11.50; \$15.00 per bbl. (50 gals.).
- Lime Sulphur (*Dry Powder Form*). Dilute 1 lb. to 6 gals. of hot or cold water. Per lb., 40c.; \$1.40 per 5 lbs.; 10 lbs., \$2.25; \$4.75 per 25 lbs.; 50 lbs., \$7.75; \$15.00 per 100 lbs.

CARBONDALE HYDROMETERS

For testing the gravity of Lime-Sulphur solution; one should be in the hands of every man who uses this material. Price, \$1.25. (Postpaid, \$1.35.)

- Lotol. A complete concentrated contact remedy for spraying for Aphis, and many other insect pests, especially of the sucking species. It is also useful for the dipping of plants before setting out to cleanse and disinfect them. It is of a jelly-like consistency and dissolves readily in hot or cold water. Per 1 oz. tube, 35c.; 75c. per 3 oz. tube.
- Mag-O-Tite. Protects crops against the ravages of the root from lawns and putting greens. Not injurious in any way to plant life, but is a valuable stimulant and fertilizer. In powder form, ready for use. Per 2 lbs., 40c.; 65c. per 4 lbs.; 8 lbs., \$1.10; \$3.00 per 25 lbs.
- Melrosine. An efficient Rose Bug remedy. A powerful and highly concentrated insecticide, used as a spray when diluted with from 20 to 25 times its bulk of water. Per 6 oz., 50c.; \$1.00 per pt.; qt., \$1.75; \$3.25 per $\frac{1}{2}$ gal.; per gal., \$6.00.
- Mo Lo. A preparation for destroying and driving away moles. Per pkg., 25c.
- Nico Fume (Liquid). For use as a spray or vapor, for controlling green fly, aphis, etc., in greenhouses and outdoors. Per ¼ lb., 85c.; \$2.50 per lb.; 4 lbs., \$8.50; \$16.00 per 8 lbs.
- Nico Fume Paper. For fumigating greenhouses; gives off dense fumes charged with nicotine. Per box of 24 sheets, \$1.50; \$5.75 for 144 sheets; 288 sheets, \$10.50.
- Nico Fume Tobacco Powder. A tobacco powder highly charged with nicotine; splendid for fumigating greenhouses. Per lb.
- can, \$1.35; \$5.00 for 5 lbs.; 10 lbs., \$9.00.

 Nicotine (Hall's) (40%). ½ lb., \$1.50; \$4.75 per 2 lbs.; per 8 lb. can, \$16.00.
- Nicotine Fumigator (Hall's) $(12\frac{1}{2}\%)$. 1 lb. size, \$1.35; \$2.75
- per 2½ lb. size; 10 lb. size, \$9.00.

 Nikoteen (30%). One of the very best forms of tobacco or nicotine preparations; usually diluted in water; makes a most satisfactory spray as well as vapor. Per 1 oz. bottle, 25c.; 45c. per 134 oz. bottle; ½ lb. bottle, \$1.35; \$2.25 per lb.; 4 lbs., \$7.50; \$13.50 per 8 lbs.

 Paris Green. A poisonous powder for potato bugs, worms, caterpillars, slugs, etc. It may be used in liquid form 1 pour long of water or with Land Plaster at the rate of 1
- in 50 gallons of water, or with Land Plaster at the rate of 1 pound of Paris Green to 100 pounds Land Plaster. Per 14 lb.,
- 18c.; 35c. per ½ lb.; lb., 60c.; \$2.75 per 5 lbs.; \$6.50 per 14 lbs.

 Para-Dichlorobenzine. For peach tree borers; full directions on each package. Can be used successfully only during August on each package. Can be used successfully only during August and September, the makers claim it is not effective if used at other seasons. Do not use on very young trees. Ask for descriptive circular. Per 1 lb. can 75c.; \$2.75 per 5 lb. can; 10 lb. can, \$5.00; \$12.00 per 25 lb. keg; 50 lb. keg, \$22.00; \$41.00 per 100 lb. keg.
- Pyrox (Bowker's). A combined insecticide and fungicide for all leaf eating insects, blights and fungus troubles; it is a pasty substance, and needs only to be mixed with cold water. Per lb., 50c.; \$2.00 per 5 lbs.; 10 lbs., \$3.50; \$7.00 per 25 lbs.; 50 lbs., \$12.50; \$21.00 per 100 lbs.; 300 lbs., \$58.50.

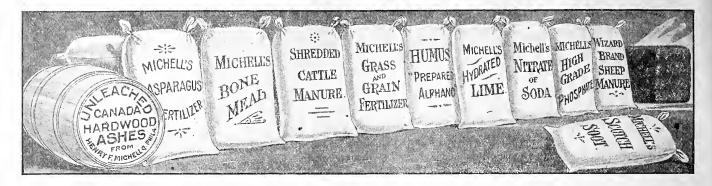
 Scalecide. Used for the destruction of the San Jose Scale. Dilute
- at the rate of one gallon Scalecide to 20 gallons water. Scalecide does not clog nozzles, hose or pump, and is pleasant to use. Spray during the winter or early spring when the trees are dormant. Per qt., 60c.; \$1.50 per gal.; 5 gals., \$6.25; \$11.00 per 10 gals.; 30 gals., \$27.00; \$39.50 per 50 gals.

 Shoo Fly. For keeping flies off cattle and horses; used with a
- spray or a sponge; the cattle and horses are either sprayed or rubbed with the preparation in the morning before being put in the field or out to their day's work. Per qt., 55c.; \$1.50 per gal.
- Slug Shot. The standard remedy for currant worms, rose slugs, cabbage worms, and almost any soft-shelled insects that infest the vegetable or flower garden. Per 1-lb. canister, 18c.; 60c. per 5 lbs.; 10 lbs., \$1.20; \$2.75 per 25 lbs.; 100 lbs., \$11.00; full barrel lots (about 250 lbs.), 10c. per lb.

- Soap Spray (Imp.). An all around outdoor and greenhouse insecticide. Per pt., 65c.; \$1.00 per qt.; gal., \$3.00; \$12.00 per 5 gals.; 10 gals., \$22.50.
- Sodium Cyanide. (See Cyanegg.)
- Sulco V. B. Will control San Jose and other scale insects, and many species of plant lice and fungus diseases. Pt., 35c.; 60c. per qt.; ½ gal., \$1.10; \$2.00 per gal.; 5 gal., \$7.00.
- Sulphate of Copper. For destroying fungus diseases of all kinds; also used in making Bordeaux mixture, and for spraying potato vines in connection with Paris Green. Where used as a Bordeaux mixture it requires four pounds sulphate of copper to 6 pounds lime, which is diluted in 50 gallons of water. Per lb., 15c.; 65c. per 5 lbs.; 10 lbs., \$1.20; \$2.75 per 25 lbs.; 100 lbs., \$10.00.
- Sulphur. Used principally in greenhouses for checking mildew. It is also used as a preventive and cure for San Jose Scale, when it is used in connection with lime and salt. Per lb., 10c.; 45c. per 5 lbs.; 10 lbs., 85c.; \$2.00 per 25 lbs.; 100 lbs., \$7.50.
- Sulphur Candles. For fumigating in sick-rooms, also in conservatories and greenhouses. Large, 25c. each; per doz., \$2.75; small, 15c. each; per doz., \$1.65.
- Sunoco Spray Oil. For the control of scale insects, red spider, aphis, thrip, etc.; cheap, effective and pleasant to handle. Per $\frac{1}{2}$ gal., \$1.00; \$1.50 per gal.; 5 gals., \$5.75; \$12.00 per 15 gals.; 30 gals., \$20.00; \$26.00 per 50 gals.
- Tanglefoot Fly Spray. A liquid insecticide for quickly exterminating flies, moths, mosquitoes, fleas, etc. Per $\frac{1}{2}$ pt., 40c.; 65c. per pt.; qt., \$1.25; \$3.50 per gal.
- Thrip Juice (Hammond's No. 2). This preparation is very effective against aphis, red spider, mealy bugs and sucking insects generally. Per pt., 85c.; \$1.40 per qt.; gal., \$4.25.
- **Tobacco Dust** (for dusting only). Excellent for lettuce and other plants to destroy soft, creeping insects. Per 1 lb. can with sifter top, 25c.; 40c. per 5 lbs.; 10 lbs., 60c.; \$1.35 per 25 lbs.; 50 lbs., \$2.50; \$4.75 per 100 lbs.
- Tobacco Dust (special dusting or fumigating). A specially prepared article. Per lb., 10c.; 45c. per 5 lbs.; 10 lbs., 85c.; \$1.75 per 25 lbs.; 50 lbs., \$3.25; \$6.00 per 100 lbs.
- Tobacco Dust (Extra Fumigating). Very strong in nicotine: rapid burning; gives off dense clouds of smoke. Per 5 lbs., 75c.; \$1.35 per 10 lbs.; 25 lbs., \$3.00; \$10.00 per 100 lbs.
- Tobacco Soap (Sulpho). A combination of tobacco extract and sulphur; fine for washing and spraying plants; dissolve in warm water. Per 3 oz., 15c.; 25c. per 6 oz.
- **Tobacco Stems** (*Fresh*). Used principally for fumigating and under benches in greenhouse. They may also be steeped in hot water and used as a spray. Per lb., 15c.; 50c. per 5 lbs.; bushel, \$1.00; \$1.75 per bbl. sack; large bales at $2\frac{1}{2}$ c. per lb.; $\frac{1}{2}$ ton, \$17.00; \$32.00 per ton.
- Tobacco Stems, F. & I. (Shredded). For mulching flower beds, top dressing lawns, etc.; acts as a fertilizer as well as an insecticide. Per 5 lbs., 25c.; 45c. per 10 lbs.; 25 lbs., \$1.00; \$1.75 per 50 lbs.; 100 lbs., \$3.00; \$13.00 per 500 lbs.; 1000 lbs., \$25.50; \$50.00 per ton.
- Tree Tanglefoot. A paste preparation for painting around the trunks of trees, in the form of a band. Caterpillars and other crawling pests cannot get over it. Per lb., 50c.; \$2.40 per 5 lbs.; 10 lbs., \$4.50; 25 lbs., \$9.25.
- Wilson's O. K. Plant Spray. A powerful yet harmless and efficient insecticide for aphis, red spider, mildew, scale, etc., for inside and outside spraying. Per 1/2 pt., 40c.; \$1.00 per qt.; gal., \$3.00; \$11.50 for 5 gals.
- Worm Destroyer (For earth worms). This is a powder and is distributed over a given surface and soaked with water, which causes the worms to come to the surface, where they may be scooped up readily and further destroyed. It acts as a fertilizer as well as worm destroyer. Per 100 lb. bag, \$5.50; \$25.00 per 500 lbs.; 1000 lbs., \$42.50; \$80.00 per 2000 lbs.
- A germicide and disinfectant. Endorsed by fortyfour State Experiment Stations and Agricultural Colleges, and the leading live stock men of America. Zenoleum is a concentrated solution of coal tar. It mixes with hot or cold water. It will penetrate deeper and more rapidly than any other disinfectant. Per ½ pt., 35c.; 75c. per qt.; ½ gal., \$1.25; \$2.00 per gal.; 5 gal. can, \$9.50.

MICHELL'S HIGH GRADE FERTILIZERS

PLEASE NOTE.-No smaller quantity of Fertilizer than here offered can be supplied.



All prices on Fertilizers subject to market changes.

Acid or Rock Phosphate (16%). Apply 1000 lbs. per acre. Used for mixing with other fertilizers to increase the phosphoric acid analysis. In 200 lb. sacks only. \$3.25 per 200 lbs.; ½ ton \$13.50; \$22.00 per ton.

Anti-Clover Fertilizer (Michell's). The use of this on golf courses and putting greens is highly recommended as it prevents the growth of white clover which is very unessential on golf courses. Analysis: Ammonia, 8%; phosphoric acid, 2%; potash, 1%; 200 lb. bags only. \$8.00 per 200 lbs.; 1000 lbs., \$37.00; \$72.00 per ton.

Ashes, Hard Wood. Apply 1000 lbs. per acre. Indispensable for all crops requiring potash; excellent for mixing with potting soil. For top dressing lawns and grass fields it is applied to best advantage either in very early spring or late fall. Per 25 lbs., 85c.; \$1.50 per 50 lbs.; 100 lbs., \$2.50; \$4.25 per 200-lb. bbl.; 1000 lbs., \$18.00; per ton, \$35.00.

Asparagus Fertilizer. A mixture that promotes the root and top growth. Apply 800 lbs. per acre. 25 lbs., \$1.00; \$1.75 per 50 lbs.; 100 lbs., \$3.00; \$5.00 per 200 lbs.; 1000 lbs., \$22.50; ton, \$40.00.

Bacteria, Farmogerm. An extensively advertised preparation for inoculating legumes prior to sowing or planting. Be sure and state crop the Farmogerm is desired for when ordering. Price, trial size (for Beans, Peas and Sweet Peas), 50c.; 1-acre size, \$1.00; 3-acre size, \$2.50; 12-acre size, \$9.00.

Bacteria, Mulford Culture. For inoculating clovers and other legumes, such as beans, peas and such other plants that have blossoms similar in shape and form to the above named. When ordering please state for what crop you desire to use it. 35c. per trial bottle; ¼ acre size, 75c.; \$1.50 per acre size; 5 acre size, \$5.00.

Blood (Dried). For indoor culture of flowering plants, like roses, carnations, etc., its chief element being nitrogen. One of the quickest acting fertilizers. 5 lbs., 60c.; \$1.00 per 10 lbs.; 25 lbs., \$2.00; \$3.50 per 50 lbs.; 100 lbs., \$6.50; \$11.50 per 200 lbs.

Blood Flour. Very finely bolted. 5 lbs., 65c.; \$1.10 per 10 lbs.; 25 lbs., \$2.25; \$4.00 per 50 lbs.; 100 lbs., \$7.25; \$13.00 per 200

Bon Arbor. A concentrated chemical fertilizer to be used in liquid or powder form, according to directions on package. Dilute 1 lb. to 30 gals. water. 65c. per lb.; 5 lbs., \$3.00.

Bone (Coarse Ground). Apply 800 to 1000 lbs. per acre. Prepared from raw bone, exactly like bone meal, except that it is not so fine or quick in action; it is used for the same purpose. 200 lb. bags only. \$8.50 per 200 lbs.; 1000 lbs., \$37.50; \$70.00 per ton.

Bone Flour. Finely pulverized and bolted. Effective immediately. For rose growing this cannot be excelled. Rich in phosphoric acid and ammonia. Apply 600 lbs. per acre. 5 lbs., 50c.; 85c. per 10 lbs.; 25 lbs., \$1.50; \$2.75 per 50 lbs.; 100 lbs., \$5.00; \$8.50 per 200 lbs.; 1000 lbs., \$37.50; \$70.00 per ton.

If small quantities of Fertilizers listed are wanted by parcel post, please add for postage as follows: 10c. for 2 lbs.; 15c. for 5 lbs.; 30c. for 10 lbs.

Bone Meal (Michell's Special Grade). Unusually rich in nitrogen and phosphoric acid, the two principal plant foods. We recommend this especially for lawns, gardens and greenhouses, or any purpose where a high-class fertilizer counts. Apply 800 to 1000 lbs. per acre. 3 lbs., 25c.; 40c. for 5 lbs.; 10 lbs., 65c.; \$1.40 for 25 lbs.; 50 lbs., \$2.50; \$4.00 per 100 lbs.; 200 lbs., \$7.50; \$32.50 per $\frac{1}{2}$ ton; ton, \$60.00.

Springfield Carnation Food

NVIGORATES root action, strengthens stem and calyx, intensifies the color, adds lasting qualities to the blooms,

and insures a larger and more perfect crop.

25 lbs., \$1.75; \$3.25 per 50 lbs.; per 100 lbs., \$6.00. Chrysanthemum Manure (Thomson's Special). Especially recommended and used by the leading private gardeners of England and America. Very highly concentrated. Per 28-lb.

sack, \$4.00; \$7.00 per 56-lb. sack.
Clay's Fertilizer. An English chemical fertilizer, for forcing greenhouse plants and vegetables. It can be used in either dry or liquid form. 28 lbs., \$3.75; \$6.25 per 56 lbs.; 112 lbs.,

\$12.00.

Cotton Seed Meal. Apply 800 lbs. per acre. Exceedingly rich in potash and ammonia, making it excellent for use as a grass and grain fertilizer; for putting greens it is invaluable. 5 lbs., 35c.; 60c. for 10 lbs.; 25 lbs., \$1.25; \$2.25 for 50 lbs.; 100 lbs., \$4.25; \$7.75 per 200 lbs.; 1000 lbs., \$36.00; \$70.00 per ton. Cow or Cattle Manure (Shredded). One sack of this is equal to one cartload of cow manure in regular form. Convenient to

handle, making it possible for everyone to get this usually scarce article at all times. Especially suited for soil mixing, mulching and liquid manuring. Apply 1000 lbs. per acre. 5 lbs., 40c.; 65c. for 10 lbs.; 25 lbs., \$1.25; \$2.00 for 50 lbs.; \$3.50 per 100 lbs.; 500 lbs., \$16.25; \$30.00 per 1000 lbs.; ton, \$55.00.

Cow or Cattle Manure (Pulverized). Thoroughly sterilized and weedless. Quick in action and especially desirable for pot plants, etc. \$3.50 per 100 lbs.; 500 lbs., \$16.25; \$30.00 per

1000 lbs.; ton, \$55.00.

Du Pont Semesan. For treating various seeds; hastens germination; stimulates growth; controls diseases and increases crop yields. 60c. per 2 oz. bottle; 4 oz. bottle, \$1.00; \$1.60 per 8 oz. can; 1 lb. can, \$2.75; \$13.00 per 5 lb. can; 25 lb. can, \$62.50.

F. & I. Fertilizer and Insecticide. Gives immediate and continuous fertilization, destroys insects; makes bigger blooms and longer stems when used on flowering plants; valuable also for the vegetable garden. 5 lbs., 25c.; 45c. for 10 lbs.; 25 lbs., \$1.00; \$1.75 per 50 lbs.; 100 lbs., \$3.00; \$13.00 for 500 lbs.

Grass and Grain Fertilizer (Michell's). A splendid mixture for top dressing wheat, rye, timothy and grass fields. Apply 800 to 1000 lbs. per acre. 200 lbs. for \$5.50; \$23.50 per 1000

lbs.; per ton, \$45.00.

Grass Grower (Michell's Odorless). This is a complete balanced fertilizer for lawns, grass plots, fairways and putting greens. It is complete in every way and will produce wonderful results. Analysis, Ammonia, 7%; phosphoric acid, 8%; potash, 1%. In convenient friction top cans 10 lbs. net, handy to have about for top dressing, \$1.00 each; 200 lb. bags, \$7.50; \$35.00 per 1000 lbs. per tes. \$67.50 per 1000 lbs.; per ton, \$67.50.

MICHELL'S HIGH GRADE FERTILIZERS

PLEASE NOTE-No smaller quantity of Fertilizer than here offered can be supplied.

All prices on Fertilizers subject to market changes.

Hog Manure (Pulverized). Put up and sold in 100-lb. bags only; splendid for forcing vegetables and flowering plants, increasing size and yield. Pe 100 lbs., \$3.75; \$16.50 for 500 lbs.

Horn Shavings. Used principally for mixing in potting soil; is rich in ammonia; especially valuable in chrysanthemum growing. 5 lbs., 65c.; \$1.10 for 10 lbs.; 25 lbs., \$2.00; \$3.75 for 50 lbs.; 100 lbs., \$7.00.

Humus (Alphano). An excellent article to incorporate with poor soil in the garden, greenhouse or in potting plants. When used in garden work, the ground should be covered with ½ to 2 inches of Humus and spaded in. Price, f. o. b. Philadelphia, 5 lbs., 35c.; 60c. for 10 lbs.; 25 lbs. for 85c.; \$1.35 per 50 lbs.; 100 lbs., \$2.25; \$10.00 per 500 lbs.; per 1000 lbs., \$15.00; \$25.00 per 2000 lbs. F. o. b. Alphano, N. J., per ton in bags less carload late. \$20.00 per ton; per ton; in bags less carload late. carload lots, \$20.00 per ton; per ton in bags in carload lots (20 tons), \$16.00 per ton; per ton in bulk in carload lots about 30 tons, \$10.00 per ton.

Humus (Natural). Not a prepared or chemical fertilizer but pure vegetable Humus, that has been decayed. Excellent for top dressing lawns; especially adapted to golf course construction and compost for golf greens; also valuable for the garden and for pot plants. Price, in car lots only, \$7.00 per ton, f. o. b. Alphano, N. J.

Kainit (Potash Salts). Apply 800 to 1000 lbs. per acre. Excellent for potatoes, corn and other grains; also for top dressing asparagus beds, etc. 5 lbs., 30c.; 50c. per 10 lbs.; 25 lbs., 90c.; \$1.50 per 100 lbs.; 200 lbs., \$2.75; \$12.00 per 1000 lbs.; ton, \$22.00.

Land Plaster. Used for top dressing newly plowed land prior to harrowing and for sweetening the soil on lawns and fields; also used for mixing with Paris Green. Apply 1500 to 2000 lbs. per acre. 40c. for 10 lbs.; 25 lbs., 85c.; \$1.25 for 50 lbs.; 100 lbs., \$2.00; \$3.75 for 200 lbs.; ½ ton, \$16.00; \$30.00 per ton.

Lawn Sand. A weed destroyer as well as a fertilizer; contains a large percentage of nitrogen. Will be found very valuable for lawn use. For best results follow the directions on the package. $3\frac{1}{2}$ lb. tin, 75c.; \$1.35 for 7 lbs.; 14 lbs., \$2.50; \$4.00 per 28 lbs.; 56 lbs., \$6.50; \$12.50 per 112 lbs.

Lime (Hydrated or Powdered). This is a very fine article for distributing on grass. Promotes g owth, gives the grass a rich color and has a tendency to prevent the growth of weeds. Apply one ton per acre. 45c. per 10 lb. box; 125 lb. sack, \$2.50; \$9.00 per 500 lbs.; 1000 lbs., \$16.00; \$30.00 per ton.

Limestone (*Pulverized*). For applying on sour or worn out soils at the rate of 1 ton per acre. Put up in 100-lb. bags. \$1.50 per 100 lbs.; 500 lbs., \$6.00; \$10.00 per 1000 lbs.; to n, \$17.50.

Manure (Fresh Horse, Stockyard and Cow). At short notice we can usually supply first-class horse, cow and stockyard manure in carload lots only. Prices on request.

Muriate of Potash. Apply 100 to 150 lbs. per a cre, usually with other fertilizers. Excellent for potatoes, corn, grains, etc. Analysis, equal to 50 per cent. actual potash. 5 lbs., 45c.; 75c. per 10 lbs.; 25 lbs., \$1.50; \$2.50 for 50 lbs.; 100 lbs., \$4.75; \$8.00 for 200 lbs.; 1000 lbs., \$37.00; \$70.00 per ton.

Nitrate of Soda. Apply 100 to 150 lbs. per acre, mixing with land plaster or other fertilizers to render application more easy. Use only after plants are above ground. If used in liquid form dilute 2 ozs. to 1 gal. of water and do not apply oftener than twice a week. 5 lbs., 45c.; 85c. per 10 lbs.; 25 lbs., \$1.50; \$2.75 per 50 lbs.; 100 lbs., \$4.75; \$9.50 per 200 lbs.; 1000 lbs., \$45.00; \$80.00 per ton.

Phosphate (*Michell's High Grade*). For all vegetable crops, grains, grass, etc. Apply 800 to 1000 lbs. per acre broadcast. 5 lbs., 30c.; 55c. per 10 lbs.; 25 lbs., \$1.25; \$1.75 per 50 lbs.; 100 lbs., \$3.00; \$5.50 per 200 lbs.; ½ ton, \$22.50; \$42.50 per ton.

Phosphate for Corn (Michell's). Apply 800 lbs. per acre. This. contains the necessary ingredients to produce a bumper crop of either field or sugar corn. \$5.00 for 200 lbs.; per ½ ton, \$21.00; \$40.00 per ton.

Plant Life (Zenke's). A liquid plant food, tonic and fertilizer. It contains in concentrated form the elements of plant food in proper proportion for absorption by the plant. Per 8 oz., 30c. (by mail, 35c.); \$3.50 per gal.

If small quantities of Fertilizers listed are wanted by parcel post, please add for postage as follows: 10c. for 2 lbs.; 15c. for 3 lbs.; 30c. for 10 lbs.

Plant Food (Michell's). A highly concentrated chemical fertilizer for house, garden or conservatory. Clean, odorless and producing early and abundant blossoms of rich and brilliant color, and healthy, luxuriant plants. Analysis: Nitrogen, 2½%; available phosphoric acid, 7%; potash, 2%. Per 5 oz. pkg., 20c. (by mail, 25c.); 30c. per 12 oz. pkg. (by mail, 35c.).

Potato Fertilizer (Michell's). Apply at the rate of from 800 to 1000 lbs. per acre. The principal fertilizer for potatoes in this section, being especially compounded for this purpose. 25 lbs., \$1.25; \$2.00 per 50 lbs.; per 100 lbs., \$3.00; \$5.50 per 200 lbs.; per $\frac{1}{2}$ ton, \$25.00; \$45.00 per ton.

Poultry Manure (Pulverized). A splendid fertilizer rich in ammonia and nitrogen, very quick in action, but should be used cautiously. Per lb., 15c.; 25c. per 2 lbs.; 5 lbs., 35c.; 65c. per 10 lbs.; 25 lbs., \$1.00; \$1.75 per 50 lbs.; 100 lbs., \$3.50.

Springfield Rose Food

AN organic fertilizer, containing the vital elements of plant life in scientifically correct proportions to make it an ideal food for roses. Will keep your bushes in splendid condition and produce an abundant crop of perfect blooms.

10 lbs., \$1.00 - 25 lbs., \$2.00 - 100 lbs., \$5.00

Salt. For asparagus beds and putting on walks and roads to kill weeds. Apply 800 lbs. per acre in early spring. 25 lbs. for 75c.; \$1.25 for 50 lbs.; \$2.00 per 100 lbs.; 200 lbs., \$3.25; \$13.00 per 1000 lbs.; ton, \$25.00.

Sheep Manure (Wizard Brand). Apply 1000 lbs. per acre. One of the most extensively used of animal manures. The analysis shows it to be a perfectly balanced plant food. For garden, lawn or greenhouse use, nothing surpasses sheep manure; it is clean and easily handled, besides giving immediate results. 2 lbs., 25c.; 40c. per 5 lbs.; 10 lbs., 65c.; \$1.25 per 25 lbs.; 50 lbs., \$2.00; \$3.50 per 100 lbs.; 500 lbs., \$16.50; \$30.00 per 1000 lbs.; per ton, \$55.00.

Soot (Imported Scotch). This is used principally for bringing a good healthy color into the foliage of chrysanthemum and other greenhouse plants. Also destroys insects and grubs that work on top of and underneath the surface. 5 lbs., 75c.; \$1.25 per

10 lbs.; 25 lbs., \$2.00; \$7.00 per 112 lbs. :im-U-Plant. A plant food in tablet form; contains highly Stim-U-Plant. A plant food in tablet form; contains highly concentrated, immediately available forms of plant food for use in stimulating all fruit, flower, vegetable and ornamental plants, and may be used in tablet or in liquid form. Per pkg. of 30 tablets, 25c. (by mail, 30c.); 75c. per pkg. of 100 tablets (by mail, 85c.); 1000 tablets, \$3.50 (by mail, \$3.65).

Sulphate of Ammonia. Apply 75 to 100 lbs. per acre only with other fertilizers deficient in nitrogen. A valuable fertilizer for all plants in which a large leaf development or rapid growth is desired; will stimulate growth almost immediately. Analysis equal to 25% of ammonia. 5 lbs., 75c.; \$1.25 per 10 lbs.; 25 lbs., \$2.00; \$3.50 per 50 lbs.; 100 lbs., \$6.00; \$11.00 per 200 lbs. Sulphate of Potash. Apply 100 to 125 lbs. per acre, usually with

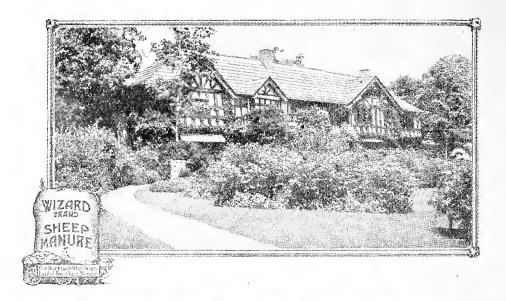
other fertilizers. On account of its great strength it must be used judiciously. Valuable for root and grain crops. Analysis equal

\(\text{tutlefolds: Variable for Fot and grain crops. Analysis equation 50% of actual potash. 5 lbs., 40c.; 70c. per 10 lbs.; 25 lbs., \\$1.50; \\$2.75 per 50 lbs.; 100 lbs., \\$5.00; \\$9.00 per 200 lbs. \]

\(\text{Tankage.} \) This is usually applied to plants such as roses, etc., under glass. It is similar to dried blood. 5 lbs., 35c.; 60c. per 10 lbs.; 25 lbs., \\$1.25; \\$2.00 per 50 lbs.; 100 lbs., \\$3.75; \\$6.75 per 200 lbs.

Tobacco Stems. For fumigating, mulching and fertilizing, these are invaluable. The chief fertilizing element in them is the

potash. 60c. for 5 lbs.; per bu., \$1.00; \$1.75 per bbl. sack; in large bales at 2½c. per lb.; per ½ ton, \$1.70; \$32.00 per ton. Wheat Fertilizer. For grass and grain crops. Apply 800 lbs. per acre. \$5.25 per 200 lbs.; ½ ton, \$23.75; \$45.00 per ton. Wonder Worker Fertilizer. An extremely high grade animal base fertilizer, adapted for growing all vegetable crops; will not burn and not being a chemical product no special instrucnot burn and not being a chemical product, no special instructions are necessary. 100 lbs., \$6.00; \$11.00 per 200 lbs.; 500 lbs., \$25.00; \$45.00 per 1000 lbs.; ton, \$80.00. Wood Ashes. See ashes at top of opposite page.



MAKE YOUR PLANTS GROW TO PERFECTION!

THE REAL secret in making plants grow to perfection lies in having a rich fertile soil. Plants require a generous supply of food and a loose mellow soil well supplied with organic matter. So if you wish to grow a profitable crop or have your plants develop their real beauty, your first thought must be given to the careful preparation of a rich fertile soil.

Wizard Sheep and Cow Manures are natural concentrated manures that give the soil what it needs to make things grow. They supply the humus to make soils mellow and friable, insuring strong vigorous root growth; are most convenient because they are highly concentrated so that A HUNDRED POUND BAG IS EQUAL TO A WHOLE WAGON LOAD OF STABLE MANURE. Wizard Manures are not chemical stimulants but natural plant foods and soil conditioners. Any gardener will tell you there is nothing like manure to make plants grow.

Lawns Wizard Sheep Manure produces a thick velvety green turf of lasting beauty. Give your lawn an application early in Spring and you will be surprised at the new beauty it will develop. In making new lawns scatter broadcast 10 lbs. to every 100 sq. feet and rake into the surface soil. On old lawns rake well and use from 6 to 10 lbs.

Lawns Packed Gardens Conveniently Hill and 100 lbs....\$3.50 500 lbs....16.50 1000 lbs....30.00 2000 lbs....55.00 2 lbs \$0.25 5 lbs40 10 lbs65 25 lbs ... 1.25 Field Crops 50 lbs.... 2.00 If wanted by parcel post, add 10c. for 2 lbs.; 20c. for 5 lbs.; 30c. for 10 lbs. for postage; larger quantities by express or freight.

Don't Plant Without —

Flower Gardens

Luxuriant green foliage and a wealth
of vivid colored flowers quickly follow an application of Wizard
Sheep Manure. Dig it deeply into the garden soil and mix a small handful
with the soil under each plant or bulb and more for vines, shrubs and
trees depending on size. Applications during the growing season will
put new life into your plants and prolong the blooming season.

Vegetables and Fruits

If you want a big crop of crisp tender vegetables be sure to prepare a rich fertile seed bed. There is nothing better than Wizard Sheep Manure for vegetable growing. It improves the yield, color and flavor of fruit crops. A very profitable fertilizer for practical growers.

Florists Wizard Sheep Manure has been the standard of quality for 18 years. For feeding and liquid manuring, it is unexcelled. Excellent for mixing with bench and potting soils. Wizard is safest and best for all plants grown under glass. You need manure to grow profitable high quality crops and it pays to use Wizard.

Wizard Brand Cow Manure

Shredded Cow Manure is unexcelled for mulching roses and for all plants requiring a cool slow acting manure. It is especially valuable for binding loose sandy soils. This pure highly concentrated cow manure is a favorite with the practical florist for preparing bench and potting soils and liquid manuring. Pulverized Cow Manure is the same quality but in finely pulverized

PRICES.—\$3.50 per 100 lbs.; 500 lbs., \$16.25; \$30.00 per 1000 lbs.; ton. \$55.00.

SheepManure

MICHELL'S FLOWER POTS, TUBS, ETC.

Orchid Pan

Earthen Fern Dish Fern Pan Liner

Seed Pan

Wood Fibre Flower Vase



Cedar Tub

Keystone Tub

Earthen Flower Pot

Azalea Pot

Earthen Bulb Pan

Earthenware Saucer

Wood Fibre

Rolling Stand

CEDAR TUBS

Equipped with Strong Iron Handles These are made by hand, of the very best white cedar, painted green, bound with black iron hoops. Inside Diam. No. $0 24^{3}4$ in. Each \$11.50 10.50 No. 2. 9.50 No. 3. 7.50 6.505.755.00 4.25 No. 7..... 3.75

MICHELL'S KEYSTONE PLANT TUBS

Made of white cedar, painted green and bound with strong electric welded wire hoops, which do not rust. Handles are sold separately at 30c. per pair, not attached to

· ·								LINO
No.	Inside	Diam.	Dep	th	Each	Ву	P.P.	0
1	6	in.	6	in.	\$0.7	5	\$0.90	1
$2\dots$		"	7	"	.8	0	.95	2
3	8	"	8	"	.8	5	1.00	2
$4\ldots$	9	"	9	"	.9	0	1.05	4
$5 \dots$	10	"	9	"	.9	5	1.10	11
6		"	10	"	1.1	5	1.35	22
7	12	"	11	"	1.3	0	1.50	33
8		"	12	"	1.7	5	2.00	44
$9\dots$		"	13	"	1.8	5	2.10	
10		"	14	"	2.2	5	2.50	
11		"	15	"	2.3	5	2.65	
12		"	16	"	2.7	5	3.10	No
13		"	17	"	3.2	5	3.75	65
14		"	18	"	4.2	5	4.75	66
15		. "	19	"	4.5	0		67
16			20	"	5.5			68
17			21	"	6.5			69
18			$\overline{23}$	"	8.0			70

PAPER FLOWER POTS

Ins.		P.P.		P.P.	
Diam.	Doz. p	$\operatorname{er} \operatorname{doz}$.	100	per 100	1000
$2\frac{1}{4}$. \$0.12	\$0.17	\$0.50	\$0.60	\$4.45
$2\frac{1}{2}$.60	.70	5.15
3			.80	.90	7.05
$3\frac{1}{2}$	20	.25	1.00	1.10	9.15
4	25	.30	1.30	1.45	11.40
5	30	.35	2.00	2.20	17.75
6	45	.55	2.70	3.00	22.00

AZALEA POTS

Dia	m.	Dept	th		Each	Doz.	100	ı
5 i	n.	41/2	in.	 	\$0.07	\$0.65	\$4.86	
6	"	5	"	 	09	.98	7.29	
7	"	6	"	 	15	1.62	12.15	
8	"	7	"	 	22	2.34	17.55	:
9	"	71/2	"	 	33	3.60	27.00	:
10	"	8 -	"	 	45	4.86	36.45	1
12	"	10	"	 	91	9.90	74.25	1

FERN DISH LINERS

Very shallow, for inside of fancy silver or porcelain ferneries. Doz. 100 Width Depth Each \$0.22 \$2.16 \$14.40 $1\frac{7}{8}$ in.

SEED PANS (Earthenware)

	IE A	RTF	EN RULE PANS	
12	"	"	1.65	18.00
10	u	"	1.38	15.12
8	"	- "	1 . 11	12.06
		square	e\$0.83	\$9.00
			Each	Doz.

Each Doz.

				Juc 11	DOD.	±00	
6	inches	diam.	 . \$	80.09	\$0.98	\$7.29	
7	"	"		.15	1.62	12.15	
8	"	"		.22	2.34	17.55	
9	"	"		.33	3.60	27.00	
0	"	"		.45	4.86	36.45	
2	"	"		.91	9.90	74.25	
4	ш	"		1.48	16.20	121.50	

WOOD FIBRE FLOWER VASES

о.	Dia	m.	Dept	th	Each	P.P.	Doz.
)	8	in.	13	in.	\$1.65	\$1.80	\$18.60
	$5\frac{1}{2}$	"	10	"	1.40	1.50	16.20
:	$4\frac{1}{2}$	"	9	"	1.25	1.35	14.40
:	4	"	6	"	1.10	1.20	12.60
	3	"	$4\frac{1}{2}$	"	.90	1.00	10.20
	5	"	18	"	1.95	2.10	22.00
:	$4\frac{1}{2}$	"	15	"	1.75	1.85	20.00
;	4	"	12	"	1.60	1.70	18.00
	3	"	9	"	1.25	1.35	14.00

CUT FLOWER VASES (Galvanized Iron)

o.	Top	Diam.	Dep	th	Cap.		Each
5	$7\frac{1}{2}$	in.	8 -	in.	8	Qt.	\$0.65
6	83/4	"	10	"	10	"	.80
7	$7\frac{3}{4}$	"	12	"	12	"	.90
8	83/4	"	$12\frac{1}{2}$	"	14	"	1.10
9	$8\frac{3}{4}$	u	18	"	16	"	1.30
0	9	u	24	"	20	"	1.75

EARTHEN FLOWER POTS

Height and	k				
Width insi-	de I	Cach	Doz.	100	1000
1 inch.	\$	0.02	\$0.17	\$1.22	\$11.48
2 ".	'	.02	.18	1.02	9.56
$2\frac{1}{4}$ ".		.02	.18	1.16	10.84
$2\frac{1}{2}$ ".		.02	.18	1.35	12.75
3´´ " .		.03	.24	1.76	16.58
31/2 ".		.03	.29	2.16	20.40
4 " .		.04	.36	2.70	25.50
$4\frac{1}{2}$ ".		.06	.49	3.65	34.43
5 ".		.07	.65	4.86	45.90
51/2 ".		.08	.81	6.08	57.38
6 ".		.09	.98	7.29	68.85
61/2 ".		.13	1.30	9.72	91.80
7 " .		.15	1.62	12.15	
8 ".		.22	2.34	17.55	
9 "		.33	3.60	27.00	
10 " .		.45	4.86	36.45	
11 ".		.66	7.20	54.00	

EUREKA POT HANGERS

20c. each; doz., \$2.00 (by parcel post, \$2.20); \$12.50 per 100.

KRICK POT HANGERS

Ea	ch Doz. · P.P.
No. 1\$0.	07 \$0.75 \$0.85
No. 2	08 .85 .95
No. 3	.95 1.05

EARTHEN FERN PANS

Width	Height	Each	Doz.	100
4 in.	11/8 in.	\$0.06	\$0.54	\$4.05
43/4 "	$2\frac{1}{8}$ "	.07	.72	5.40
$5\frac{1}{2}$ "	$2\frac{1}{4}$ "	.09	.90	6.75
61/4 "	$2\frac{1}{2}$ "	.10	1.08	8.10
7 "	$25\overline{8}$ "	.12	1.26	9.45
8 "	33/8 "	.17	1.80	13.50
9 "	31/4 "	.20	2.16	16.20

EARTHENWARE SAUCERS

										Eaclı	Doz.	100
4	inches				,					\$0.03	\$0.27	\$2.03
5	"									.04	.36	2.70
6										.06	.54	4.05
7	"	Ü								.07	.72	5.40
8	"									.10	.99	7.43
9	"									.14	1.35	10.13
10	"							,		.15	1.62	12.15
11	"		,							.19	1.98	14.85
12	"									.23	2.43	18.23
14	"									.37	4.05	30.38

WOOD FIBRE SAUCERS

						ount of	being
abs	solutel	y wa	aterj	proof.		P.P.	
					Each	each	Doz.
5	inches		.		.\$0.32	\$0.38	\$3.60
6	"				34	.40	3.90
7	"				37	.43	4.20
8	"				39	.45	4.50
9	"				43	.49	4.90
10	"				46	.52	5.30
12	"				55	.63	6.30
14	"				74	.82	8.40
16	"				. 1.31	1.41	15.00
18	"				. 1.52	1.62	17.40
$\tilde{20}$	"				1.95	2.07	22.00

RUBBER SAUCERS

		P.P.		
	Each	each	Doz.	100
6 inch	.\$0.15	\$0.21	\$1.50	\$11.00
7 "	25	.31	2.25	15.00

Note-Earthenware cannot be packed for shipment by Parcel Post.

9.90

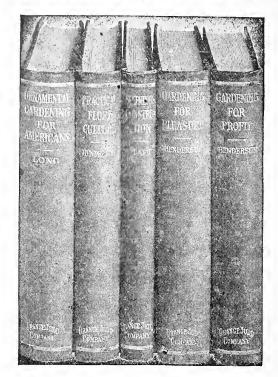
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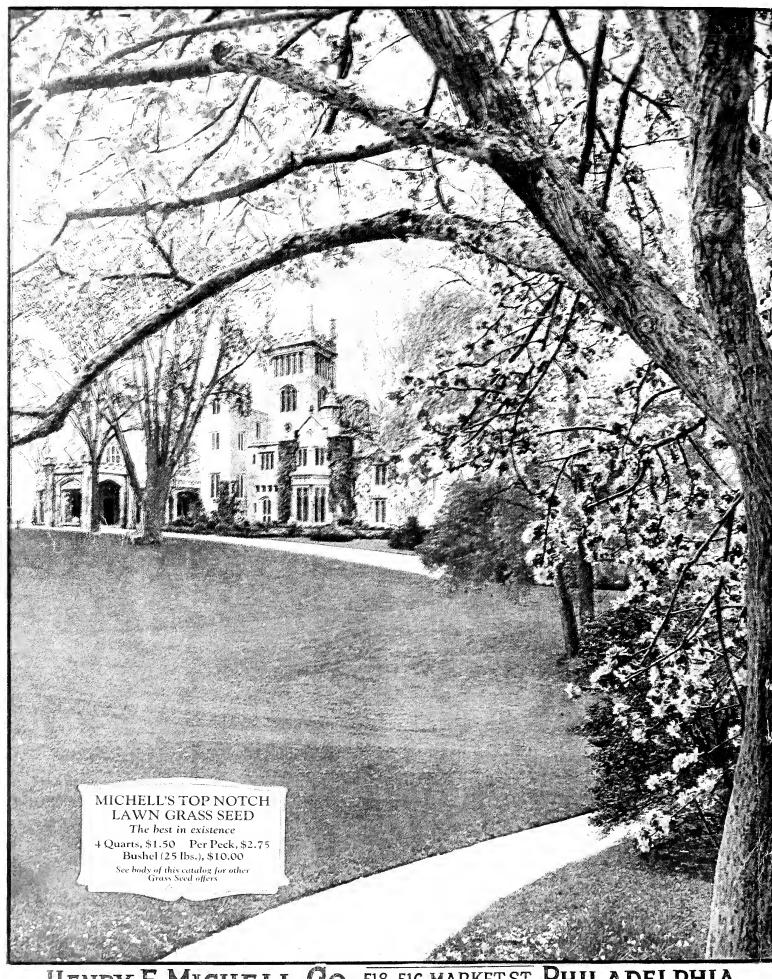
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